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OM nucleic - nucleic search, using sw model

Run on: August 17, 2005, 17:23:27 ; Search time 2446.54 Seconds
(without alignments)
11060.388 Million cell updates/sec

Title: US-09-996-630A-11
Perfect score: 4165
Sequence: 1 gcttaagagtgtaagacc.....acatatgtgttcagcaat 4165

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 14632570

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
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- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
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- 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/1/pubpna/US10J_PUBCOMB.seq.*
- 23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4165	100.0	4165	US-09-873-367C-95	Sequence 95, Appl
2	4165	100.0	4165	US-10-843-641A-95	Sequence 95, Appl
3	4163.4	100.0	5519	US-10-097-340-136	Sequence 136, Appl
4	4163.4	100.0	5519	US-10-354-358-69	Sequence 69, Appl
5	4138.2	99.4	4176	US-10-425-114-26289	Sequence 26289, A
6	4094.8	98.3	4543	US-10-098-841-173	Sequence 173, Appl
7	3622.6	87.0	4772	US-10-311-034-47	Sequence 47, Appl

8	3174.6	76.2	3276	9	US-09-925-302-242	Sequence 242, App
9	3174.6	76.2	3276	10	US-09-925-302-242	Sequence 242, App
10	962.4	23.1	1768	17	US-10-108-260A-2237	Sequence 2237, Ap
11	454.4	10.9	502	10	US-09-918-995-23795	Sequence 23795, A
12	409.6	9.8	505	11	US-09-969-034-4185	Sequence 4185, Ap
13	369	8.9	369	9	US-09-867-701-3627	Sequence 3627, Ap
14	320	7.7	396	9	US-09-369-347-122	Sequence 122, App
15	320	7.7	396	9	US-09-880-107-1703	Sequence 1703, Ap
16	320	7.7	396	21	US-10-843-641A-8251	Sequence 8251, Ap
17	291.8	7.0	336	9	US-09-867-701-7412	Sequence 7412, Ap
18	277.8	6.7	599	22	US-10-972-079-12452	Sequence 12452, A
19	273.8	6.6	1747	21	US-10-764-420-2420	Sequence 2420, Ap
20	238.4	5.7	387	17	US-10-264-049-1795	Sequence 1795, Ap
21	228.8	5.5	232	20	US-10-425-115-114670	Sequence 114670,
22	190.8	4.6	337	9	US-09-783-590-2184	Sequence 2184, Ap
23	75.2	1.8	106	17	US-10-242-535A-2596	Sequence 2596, Ap
24	75.2	1.8	106	18	US-10-085-783A-2596	Sequence 2596, Ap
25	65.4	1.6	534	18	US-10-398-877-8	Sequence 8, Appl
26	51.4	1.2	78	9	US-09-783-590-12181	Sequence 12181, A
27	51.2	1.2	3673778	16	US-10-312-841-1	Sequence 1, Appl
28	51	1.2	51	20	US-10-865-478-63	Sequence 63, Appl
29	50.8	1.2	14551	15	US-10-240-485-138	Sequence 138, App
30	50.4	1.2	113515	15	US-10-311-455-2147	Sequence 2147, Ap
31	50	1.2	50	17	US-10-131-827-788	Sequence 788, App
32	50	1.2	5415	15	US-10-311-455-618	Sequence 618, App
33	49.8	1.2	594	14	US-10-123-155-10	Sequence 10, Appl
34	49.8	1.2	594	15	US-10-146-731-10	Sequence 10, Appl
35	49.8	1.2	594	15	US-10-140-472-10	Sequence 10, Appl
36	49.8	1.2	594	15	US-10-141-761-10	Sequence 10, Appl
37	49.8	1.2	594	16	US-10-142-885-10	Sequence 10, Appl
38	49.8	1.2	594	16	US-10-158-790-10	Sequence 10, Appl
39	49.8	1.2	594	17	US-10-137-871-10	Sequence 10, Appl
40	49.8	1.2	594	17	US-10-140-923-10	Sequence 10, Appl
41	49.8	1.2	594	17	US-10-141-756-10	Sequence 10, Appl
42	49.8	1.2	594	17	US-10-141-759-10	Sequence 10, Appl
43	49.8	1.2	594	17	US-10-140-805-10	Sequence 10, Appl
44	49.8	1.2	594	17	US-10-140-864-10	Sequence 10, Appl
45	49.8	1.2	594	18	US-10-142-426-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-09-873-367C-95
; Sequence 95, Application US/09873367C
; Publication No. US20030165839A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; APPLICANT: Soppet, Daniel
; APPLICANT: Endress, Gregory
; APPLICANT: Augustus, Meena
; APPLICANT: Ebner, Reinhard
; APPLICANT: Carter, Kenneth
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-64
; CURRENT APPLICATION NUMBER: US/09/873,367C
; PRIOR FILING DATE: 2003-04-29
; PRIOR FILING DATE: U.S. 60/236,891
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/236,842
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: U.S. 60/244,867
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: U.S. 60/245,084
; PRIOR FILING DATE: 2000-11-01
; NUMBER OF SEQ ID NOS: 1067
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 95
; LENGTH: 4165
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-873-367C-95

Query Match		100.0%;	Score 4165;	DB 10;	Length 4165;		
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Db	61	TTCTTTAGAGAGATTGAAAATCATCTTGGCTTCAGGGAGTGGACCTTTCAACAGCTAC	120				
QY	121	AAAGTATACATTTCCCTTGTGTATACAAAAATCTCTCGGAAGAGAGGACCAACAGCAT	180				
Db	121	AAAGTATACATTTCCCTTGTGTATACAAAAATCTCTCGGAAGAGAGGACCAACAGCAT	180				
QY	181	CATTTCAGCGCATGGTCTTGGGACATAGCGGATCGAGACGCCATTGTAGAGCCCTGGA	240				
Db	181	CATTTCAGCGCATGGTCTTGGGACATAGCGGATCGAGACGCCATTGTAGAGCCCTGGA	240				
QY	241	AACCAACAGGTATPACCATATATACAGCCATATCTTCTGCTGGCTGAAAGGATCCTGAG	300				
Db	241	AACCAACAGGTATPACCATATATACAGCCATATCTTCTGCTGGCTGAAAGGATCCTGAG	300				
QY	301	AGAAAAGCAAGAGAAAGAAATACAGACCATATCTGCAAGCCGAGCAATATCAAGGCCCA	360				
Db	301	AGAAAAGCAAGAGAAAGAAATACAGACCATATCTGCAAGCCGAGCAATATCAAGGCCCA	360				
QY	361	GTTTAGGAGTATGGCCACCAAAATTGATGTACCCAGGACCTTGAGGATCACTCAC	420				
Db	361	GTTTAGGAGTATGGCCACCAAAATTGATGTACCCAGGACCTTGAGGATCACTCAC	420				
QY	421	GGCCACTCTTTGTCCCAACGCGACTGTCCCTCAGTCTCTGCTCGGCTGTCACAGTGT	480				
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QY	481	CCTCAATGGCCACAGAGCAAGGCTGTGTGATCTAGCTTAAGAAAGATGACCTCCCTGA	540				
Db	481	CCTCAATGGCCACAGAGCAAGGCTGTGTGATCTAGCTTAAGAAAGATGACCTCCCTGA	540				
QY	541	GTGGGTGGACACAGCACTCTCTACGCTGCCACCCGAAAGCTTAAACCCACAGCCAGTGG	600				
Db	541	GTGGGTGGACACAGCACTCTCTACGCTGCCACCCGAAAGCTTAAACCCACAGCCAGTGG	600				
QY	601	CGGGAAGTGTCTGTTCAGGTTGGAAGATGAAGAGGAAGATGAAGAGCAAGAAACC	660				
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QY	661	CATGTCCCTCTCAACACAGTGTGTTCGCGGAGGCAATCTGTAACCAACCGCCTGAC	720				
Db	661	CATGTCCCTCTCAACACAGTGTGTTCGCGGAGGCAATCTGTAACCAACCGCCTGAC	720				
QY	721	ATCCAGGAAGTGGCGCGCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA	780				
Db	721	ATCCAGGAAGTGGCGCGCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA	780				
QY	781	GTTTGACATGGATGAGAAATCTGCTCCCAAGTTGAGCAGGTAAAGATGAATATAGCTTC	840				
Db	781	GTTTGACATGGATGAGAAATCTGCTCCCAAGTTGAGCAGGTAAAGATGAATATAGCTTC	840				
QY	841	TCAGGTATAGTTTCAAAAAGCTTACACCGGAGGAAAGTTCAGGGCCGGGGCTCCAGCTG	900				
Db	841	TCAGGTATAGTTTCAAAAAGCTTACACCGGAGGAAAGTTCAGGGCCGGGGCTCCAGCTG	900				
QY	901	CAGTAGTTTCGGAGACCATGATGATGATTTCTGAAAGCGCGGCTGCATTAAGATAG	960				
Db	901	CAGTAGTTTCGGAGACCATGATGATGATTTCTGAAAGCGCGGCTGCATTAAGATAG	960				
QY	961	CGGGTTCACTTCTTGGCACCGAGCGGATAGCAGCGGGGCCCTTGGCAGTGAGGG	1020				
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Db	1021	GGATGCGGGGGCCAGAGCAAGCCGAGCAATGCGAGTGGAGGGGTGGAACAAGCCAGCCC	1080
QY	1081	CAGTGAGAAACAATGCTGTGGGGGAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACAA	1140
Db	1081	CAGTGAGAAACAATGCTGTGGGGGAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACAA	1140
QY	1141	TATATCGGGTACCAACACGCGCTGTGCGGCCCCCAGCAACTCCATGACGTGGCCTCTCG	1200
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QY	1201	CAGTGTCTGGGAGCTCGTTGAGAGCTCAAACTCATGAGCCTCTGCTCGGCTCCAGCT	1260
Db	1201	CAGTGTCTGGGAGCTCGTTGAGAGCTCAAACTCATGAGCCTCTGCTCGGCTCCAGCT	1260
QY	1261	TCATGGGAGCACAAAGTACATTTATGATCCACAGAAATGCTGTCTATTTTCCAGTGTGAA	1320
Db	1261	TCATGGGAGCACAAAGTACATTTATGATCCACAGAAATGCTGTCTATTTTCCAGTGTGAA	1320
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Db	1381	CCCTGAGTGGCGGCATAAAGTTTTCTCTGACCAATGCGAGATACCACTCAATGAAAT	1440
QY	1441	GGAAACGATAAAGAGCAAGAACCTGAAAAATAACTGCTGCGAGCTACCTCTGTGCGAAA	1500
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QY	1501	GACCATCTCTGTGAACATCCAGGGAAACCTTAAGAGGGGCTGCTGTGCGCATCCAGCCC	1560
Db	1501	GACCATCTCTGTGAACATCCAGGGAAACCTTAAGAGGGGCTGCTGTGCGCATCCAGCCC	1560
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Db	1681	GGTTAGGAGCAATTAATTTTATACCTTTTACCTTTTCCATTTGTTGCTGATGACATGCAAT	1740
QY	1741	GGTCTTTGTGCGATGCTGTAGACACCTTTTCTTCCAGCCGAAAAAGCTTATTTGTAAT	1800
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DB 2161 GTTGTCTTAAGCTATAGTGTAAACCAAAAGTTTGGCTCTGAAAAATTTAACTGAAAAAG 2220
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DB 2221 ATTTCTTGTGTTTGTAAATAGGTGAGATAAAGTACTTTAGATTTTATAGGCAGCTTCCCT 2280
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DB 2341 AACTCTACTTGTAGAGTGTATGCTGTCTAAACAGAACTGCTGTGTAATTC 2400
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DB 2401 CTTCTGTAGGCGACACTGCGAGATTTCCATGTAGATAGAGAACTATAGGCGCTAGTAC 2460
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DB 2461 AGAAGTGCACACAAATGTTGGCAAGTCAACCCCATGAATTAACCTACTGGAATTT 2520
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DB 2521 GGTGTTTGTAGAGTTTGTAAATAGATTAATCTCTTTTGTGTTATTTTCACTAGTTATATCCT 2580
QY 2581 TTGGCTCAGCTAGCTTTGAAATTTGGCTGATGAAAAAATATACATAAAAGGGTAAAAATTC 2640
DB 2581 TTGGCTCAGCTAGCTTTGAAATTTGGCTGATGAAAAAATATACATAAAAGGGTAAAAATTC 2640
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DB 2641 CACATACAGCAACAAAAATGCAAAAGCTGCTTGTGTAATTTTCTGGAATGTT 2700
QY 2701 TTTTCACTTTGCTTTTTCGCCAAACAAATAAATCAAGAACTCTGCTTTTAACTATTC 2760
DB 2701 TTTTCACTTTGCTTTTTCGCCAAACAAATAAATCAAGAACTCTGCTTTTAACTATTC 2760
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DB 2821 CTGTATTTGCAAAATGCTGATTAAGAGGGGCCAGTTGCTGTTTTTCAAGCTGCTC 2880
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QY 3121 ATTTCAAGTATATCTTAACTAACTAAGTAAAAATGATCTTAAATACTATTTTACTTT 3180
DB 3121 ATTTCAAGTATATCTTAACTAACTAAGTAAAAATGATCTTAAATACTATTTTACTTT 3180
QY 3181 CTAGACCTAGGCTPAGATGTTTAAAGCTACAGCTCTAGTTCAATGTGATATTTTATAATTTG 3240

DB 3181 CTAGACCTAGGCTPAGATGTTTAAAGCTACAGCTCTAGTTCAATGTGATATTTTATAATTTG 3240
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DB 3241 AAAGCTATGAGAAATAGATGTGGGTGAAGCCATAGAACATATTTGCTTGAAATTTCTTGA 3300
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QY 3361 CATCTGTATTAACATAGAGAGAACTTTATAAGGGCATTTGCAATAAATCTCTTTGTTG 3420
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QY 3421 CAGCTGTTTTTCCAAAGCAGTGTAAATACTTTTCTGTGATTTATGTATAGCCTTTGGAATGG 3480
DB 3421 CAGCTGTTTTTCCAAAGCAGTGTAAATACTTTTCTGTGATTTATGTATAGCCTTTGGAATGG 3480
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DB 3541 ATGGTCTCACTTTAGGATCAGCAGTGTGACCAATTTATGCTGCATAGCTGTATTATAGC 3600
QY 3601 CTTATTAGTTGTGTGTTGACCCCTGCGGTATACAAATGTGCTGAGTGGTGTCTTAC 3660
DB 3601 CTTATTAGTTGTGTGTTGACCCCTGCGGTATACAAATGTGCTGAGTGGTGTCTTAC 3660
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QY 4021 TGTAAAGAGGTGACAGAAATTTCAACTGATTTGGTGTGCTTCCAAATGCTGTTGATT 4080
DB 4021 TGTAAAGAGGTGACAGAAATTTCAACTGATTTGGTGTGCTTCCAAATGCTGTTGATT 4080
QY 4081 TCCCTCATTTGTAAACATTTGACAGTATGTGCAAAATGGGAAAAAATAATTTCAAAATAA 4140
DB 4081 TCCCTCATTTGTAAACATTTGACAGTATGTGCAAAATGGGAAAAAATAATTTCAAAATAA 4140
QY 4141 AAGTGACATATTTGTTGCTCAGCAAT 4165
DB 4141 AAGTGACATATTTGTTGCTCAGCAAT 4165

RESULT 2
US-10-843-641A-95
; Sequence 95, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:

APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
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; PRIOR APPLICATION NUMBER: US/09/962,832
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; PRIOR APPLICATION NUMBER: US/09/967,768
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; PRIOR APPLICATION NUMBER: US/09/968,007
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; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 95
; LENGTH: 4165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-95

Query Match 100.0%; Score 4165; DB 21; Length 4165;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4165; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT 3
US-10-097-340-136
; Sequence 136, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNANAVARAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
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; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
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; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 136
; LENGTH: 5519
; TYPE: DNA

i ORGANISM: Homo sapiens
US-10-097-340-136
Query Match 100.0%; Score 4163.4; DB 14; Length 5519;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4164; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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961 CCGGTTTCACTTCTGCGACCGAGCGGATACGCGAGGCGCGGCTGGCAGTGGGG 1020
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2675 AGTCCAAGAGAAATCTACGTGGAAATGTGCTATAGCTCCACAGGGAATGCGGGCAGGT 2734
1381 CCTGTCAGTGGCGGCATAAAGTTTTTCTCTGACCAATGCGCAGATACCACTCTGAATT 1440
2735 CCTGTCAGTGGCGGCATAAAGTTTTTCTCTGACCAATGCGCAGATACCACTCTGAATT 2794
1441 GGAACCGATTAAGAGCAAGAACCTGAAATAAATACGTGCTGCGAGTACTCTGTGCGGAAAA 1500
2795 GGAACCGATTAAGAGCAAGAACCTGAAATAAATACGTGCTGCGAGTACTCTGTGCGGAAAA 2854
1501 GACCATCTCTGTGAAACATCCAGCGGAACCTAAGGAGGGCTGCTGTGCGCATCCAGCCC 1560
2855 GACCATCTCTGTGAAACATCCAGCGGAACCTAAGGAGGGCTGCTGTGCGCATCCAGCCC 2914
1561 AGCCAGCTGTGGCAATGATCTGACTGTGGCCCAATGCGCGCTAGCACGCTTCTCTGC 1620
2915 AGCCAGCTGTGGCAATGATCTGACTGTGGCCCAATGCGCGCTAGCACGCTTCTCTGC 2974
1621 TCAGACGATGAAGACCGGCTCACTTCACTGTGTTCCATTTGGTTTACTATTTTAAAGTGG 1680
2975 TCAGACGATGAAGACCGGCTCACTTCACTGTGTTCCATTTGGTTTACTATTTTAAAGTGG 3034
1681 GCGTTAGGAGCAATTAATTTATTTACCTTTCATTTGTTGCGCTGATGTGACAAATGSCAT 1740
3035 GCGTTAGGAGCAATTAATTTATTTACCTTTCATTTGTTGCGCTGATGTGACAAATGSCAT 3094
1741 GGTCTTTGTGCACTGCTGTAGACACTTTTCTTCCAGCGCGAAAGCCTATTATGTAATT 1800
3095 GGTCTTTGTGCACTGCTGTAGACACTTTTCTTCCAGCGGAAAGCCTATTATGTAATT 3154
1801 TTTACATTCATTAATTTTAAATGTGGATGATCAGGATTTAAATCAAGATATATATCTGGAACC 1860
3155 TTTACATTCATTAATTTTAAATGTGGATGATCAGGATTTAAATCAAGATATATATCTGGAACC 3214
1861 TCTTATAAATGGAGCACTTTAGAAATTTGTTGTTCTGCACTTTAACCTTAGAGAGAAAAA 1920
3215 TCTTATAAATGGAGCACTTTAGAAATTTGTTGTTCTGCACTTTAACCTTAGAGAGAAAAA 3274
1921 TGCTTTTCTTTGTGAAAAATCTGAAATTCCTGCTGACCTTCTGTGATGTGGAACCCCTA 1980
3275 TGCTTTTCTTTGTGAAAAATCTGAAATTCCTGCTGCTGACCTTCTGTGATGTGGAACCCCTA 3334
1981 GGTCTGTGACACACACTCTCTGTGTCTGTGACAGAAACCAAGCAATAAAGCTGTGTGATGCC 2040
3335 GGTCTGTGACACACACTCTCTGTGTCTGTGACAGAAACCAAGCAATAAAGCTGTGTGATGCC 3394
2041 CACAGCCTGGAGCAGCTAGCGACCTGTGCGCGCCAGCTGCCATGCGCCCTGCGAGAG 2100
3395 CACAGCCTGGAGCAGCTAGCGACCTGTGCGCGCCAGCTGCCATGCGCCCTGCGAGAG 3454
2101 CAGAGCAGATGAGTGTCTGCACTGAGAACCTTTAAACCAACAGTTGAACATACCCACACCT 2160
3455 CAGAGCAGATGAGTGTCTGCACTGAGAACCTTTAAACCAACAGTTGAACATACCCACACCT 3514
2161 GTTTGTCTTAAAGCTATAGTGTAAAAA CAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAG 2220
3515 GTTTGTCTTAAAGCTATAGTGTAAAAA CAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAG 3574
2221 ATTTCCCTGTTTGTGTTAATAGGTAGATAAAGTACTACTAGATTTTAAAGCAGCTTCCCT 2280
3575 ATTTCCCTGTTTGTGTTAATAGGTAGATAAAGTACTACTAGATTTTAAAGCAGCTTCCCT 3634
2281 GTAGTATATAATTAACAGCAGACAACTCTTATTTTGTAAATGTGATGAAGTATGATGTCTT 2340
3635 GTAGTATATAATTAACAGCAGACAACTCTTATTTTGTAAATGTGATGAAGTATGATGTCTT 3694
2341 AACTCTTACTTAGAGAGTGTATGTCTGTCTTAAACAGAA GAAAGATGCTCTGTGTAAATTC 2400
3695 AACTCTTACTTAGAGAGTGTATGTCTGTCTTAAACAGAA CAAAGATGCTCTGTGTAAATTC 3754
2401 CTTCTGTAGGACACACTGCGAGATTTCCATGTAGATAGAGAACTATAGGCTTAGTAC 2460
3755 CTTCTGTAGGACACACTGCGAGATTTCCATGTAGATAGAGAACTATAGGCTTAGTAC 3814

QY	1	GTCTAAAGAGTGTAAAGACCTTAATTACCGGATGCTACAGAGAGATCCCAAGAGAAAGGGC	60
DB	8	GTCTAAAGAGTGTAAAGACCTTAATCACACGGATGCTACAGAGAGATCCCAAGAGAAAGGGC	67
QY	61	TTCTTTTACAAGAGATTGAAATCATCTTTGGCTTCAGGGAGTGACCCCTTCACCAAGTAC	120
DB	68	TTCTTTTACAAGAGATTGAAATCATCTTTGGCTTCAGGGAGTGACCCCTTCACCAAGTAC	127
QY	121	AAAGTATAACATTCCTCTTGTGTATACAAAATCTCTCGGAAGAGGAGCAACAACAGCAT	180
DB	128	AAAGTATAACATTCCTCTTGTGTATACAAAATCTCTCGGAAGAGGAGCAACAACAGCAT	187
QY	181	CATTACGGCATTGGTCTTGGGACATAGCCGATCGAGACCCCAATTGTAGAAGCCCTTGGGA	240
DB	188	CATTACGGCATTGGTCTTGGGACATAGCCGATCGAGACCCCAATTGTAGAAGCCCTTGGGA	247
QY	241	AACCAACAGGTATTAACCATATCACAGCCACATCTTCTGCTGCTGAAAGGATCCTTGAG	300
DB	248	AACCAACAGGTATTAACCATATCACAGCCACATCTTCTGCTGCTGAAAGGATCCTTGAG	307
QY	301	AGAAAAGCAAGAGAAAGAAATACAGACCAGATCTGCAAGCCGAGCAATATCAAGGGCCCA	360
DB	308	AGAAAAGCAAGAGAAAGAAATACAGACCAGATCTGCAAGCCGAGCAATATCAAGGGCCCA	367
QY	361	GTTTAGGCAATCGGCCCAACCAAAATTGATGTATCCCAAGACCTTGAGGATGACCTCAC	420
DB	368	GTTTAGGCAATCGGCCCAACCAAAATTGATGTATCCCAAGACCTTGAGGATGACCTCAC	427
QY	421	GGCCATCTTTTGCACCGCATGTCCTCAGTCTCTGCTCGGGCTGCTGACAGTGT	480
DB	428	GGCCATCTTTTGCACCGCATGTCCTCAGTCTCTGCTCGGGCTGCTGACAGTGT	487
QY	481	CCTCAATGGCCACAGGAGCAAGGCCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGA	540
DB	488	CCTCAATGGCCACAGGAGCAAGGCCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGA	547
QY	541	GTTGGCTGGACCAACACTCTCTACGGTGCCACCCGCAAGCTTTAAACCCACAGCCAGTGG	600
DB	548	GTTGGCTGGACCAACACTCTCTACGGTGCCACCCGCAAGCTTTAAACCCACAGCCAGTGG	607
QY	601	GCGGAAGTGTCTGTTCAGGGTGGAAAGATGAAGAGAGAGATGAGAGAGCAAGAACC	660
DB	608	GCGGAAGTGTCTGTTCAGGGTGGAAAGATGAAGAGAGAGATGAGAGAGCAAGAACC	667
QY	661	CATGTCCCTCTCAACAAGTGGTTTTTGGCGCGAAGCCATCTCTAAACCCGCTGAC	720
DB	668	CATGTCCCTCTCAACAAGTGGTTTTTGGCGCGAAGCCATCTCTAAACCCGCTGAC	727
QY	721	ATCCAGGAAGAGTGGCCGCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA	780
DB	728	ATCCAGGAAGAGTGGCCGCTCTCAACAGATCTTTGAGGAAGGGGAATCTGATGATGA	787
QY	781	GTTTTCAGATGATGAGATCTGCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTC	840
DB	788	GTTTTCAGATGATGAGATCTGCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTC	847
QY	841	TCCAGGTACAGTTCAAAAAGCTACCAACCGAGGAAAGTTCAGGGCGGGGCTCCAGCTG	900
DB	848	TCCAGGTACAGTTCAAAAAGCTACCAACCGAGGAAAGTTCAGGGCGGGGCTCCAGCTG	907
QY	901	CAGTAGTTCCGAGACCAAGTATGATGATTTCTGAAAGCCGCGCGGCTCGATAAAGATAG	960
DB	908	CAGTAGTTCCGAGACCAAGTATGATGATTTCTGAAAGCCGCGCGGCTCGATAAAGATAG	967
QY	961	CGGGTTTCACTACTCTTGGCAACCGAGGGATAGCAGCGAGGGGCCCCCTGGCAGTAGGG	1020
DB	968	CGGGTTTCACTACTCTTGGCAACCGAGGGATAGCAGCGAGGGGCCCCCTGGCAGTAGGG	1027
QY	1021	GGATGGCGGGGCCAGAGCAAGCCGACATGCGAGTGGAGGGGTGACAAAGGCCAGCCC	1080
DB	1028	GGATGGCGGGGCCAGAGCAAGCCGACATGCGAGTGGAGGGGTGACAAAGGCCAGCCC	1087

QY	1081	CAGT	GAGAA	CAAT	GCTGGTGGGGGCA	GTCCCTCAGCGGCTCGGGTGGCAACCCCAACCAA	1144
DB	1088	CAGT	GAGAA	CAAT	GCTGGTGGGGGCA	GTCCCTCAGCGGCTCGGGTGGCAACCCCAACCAA	1147
QY	1141	TACAT	CGGGT	ACCACA	CGCGCTGTGCGGCGCCAGCAATCCATGCAAGTGGCTCTCG	1200	
DB	1148	TACAT	CGGGT	ACCACA	CGCGCTGTGCGGCGCCAGCAATCCATGCAAGTGGCTCTCG	1207	
QY	1201	CAGT	GCTGGG	GAGCTCGT	TTGAGAGCCTCAAACTCATGAGCCTCTGCCTCGGCTCCAGCT	1260	
DB	1208	CAGT	GCTGGG	GAGCTCGT	TTGAGAGCCTCAAACTCATGAGCCTCTGCCTCGGCTCCAGCT	1267	
QY	1261	TCAT	GGGAGCA	CCAAGTACAT	TATGATCCA	CAGAAATGGCTTGCTCATTTTCCAGTGTGAA	1320
DB	1268	TCAT	GGGAGCA	CCAAGTACAT	TATGATCCA	CAGAAATGGCTTGCTCATTTTCCAGTGTGAA	1327
QY	1321	AGT	CCAGAGAAAT	CTACGTG	GGAATGTGCATTTAGCTCCACAGGAATGCAGGGCAGGT	1380	
DB	1328	AGT	CCAGAGAAAT	CTACGTG	GGAATGTGCATTTAGCTCCACAGGAATGCAGGGCAGGT	1387	
QY	1381	CCCT	GCA	GTTGGCGGCATAAAGTTTTTCT	CTGACCACTGGCGAGATACCAACCACTGAAAT	1440	
DB	1388	CCCT	GCA	GTTGGCGGCATAAAGTTTTTCT	CTGACCACTGGCGAGATACCAACCACTGAAAT	1447	
QY	1441	GGAA	CGGATAAAGAGCAAGAA	CACTGAAAAATAA	CGTCTGCAAGTACCTCTGTGCGAAAA	1500	
DB	1448	GGAA	CGGATAAAGAGCAAGAA	CACTGAAAAATAA	CGTCTGCAAGTACCTCTGTGCGAAAA	1507	
QY	1501	GACCAT	CTCTGTGAA	CATCCAGCGGACCTTAGGAGGGGCTGCTGTGCGCATCCAGCCC	1560		
DB	1508	GACCAT	CTCTGTGAA	CATCCAGCGGACCTTAGGAGGGGCTGCTGTGCGCATCCAGCCC	1567		
QY	1561	AGCCAG	CTGTTGCCATGCTCATCTGAC	TGTGGCCCCCATCTGGCGGCTAGCAGCTGCTCTGC	1620		
DB	1568	AGCCAG	CTGTTGCCATGCTCATCTGAC	TGTGGCCCCCATCTGGCGGCTAGCAGCTGCTCTGC	1627		
QY	1621	TCAGAG	CAGTGAAGACCGGCTCA	CTTCACTGTGTTTCCATTTGGTTTTACTATTTTAAAGTGG	1680		
DB	1628	TCAGAG	CAGTGAAGACCGGCTCA	CTTCACTGTGTTTCCATTTGGTTTTACTATTTTAAAGTGG	1687		
QY	1681	CGGTTAGGAGCA	ATTATTTATACCTTTCAATTTGTTTGGCTGATGATGCAATGCAT	1740			
DB	1688	CGGTTAGGAGCA	ATTATTTATACCTTTCAATTTGTTTGGCTGATGATGCAATGCAT	1747			
QY	1741	GGTCTTTGTG	CATGCTCTAGACA	CTTTTCTTTTCCAGCGGAAAAAGCCTATTATGTAAAT	1800		
DB	1748	GGTCTTTGTG	CATGCTCTAGACA	CTTTTCTTTTCCAGCGGAAAAAGCCTATTATGTAAAT	1807		
QY	1801	TTTACAT	TCATAATTTTAAATGTCGAT	CAGGATTAATCAAGATATATATCTGGAACC	1860		
DB	1808	TTTACAT	TCATAATTTTAAATGTCGAT	CAGGATTAATCAAGATATATATCTGGAACC	1867		
QY	1861	TCTTATAAAT	GGAGCACTTAGAAATTTGTTGTTCTGCATTAACCTTAGAGAGAGAAAAA	1920			
DB	1868	TCTTATAAAT	GGAGCACTTAGAAATTTGTTGTTCTGCATTAACCTTAGAGAGAGAAAAA	1927			
QY	1921	TGC	TTTTCTTTTGTGAAAAATCTGAAATCTGCTGCTGACCTCTCTGTGATGTGGAACCCCT	1979			
DB	1928	TGCTTTTCTTTTGTGAAAAATCTGAAATCTGCTGCTGACCTCTCTGTGATGTGGAACCCCT	1987				
QY	1980	AGGCT	CTGAGACAC	CACTCTCTCGGTGTCTGAGACAGAACCAAAAGCAATAACGTTGTGATGC	2039		
DB	1988	AGGCT	CTGAGACAC	CACTCTCTCGGTGTCTGAGACAGAACCAAAAGCAATAACGTTGTGATGC	2047		
QY	2040	CCA	CAGGCTTGAGCCAGCTTAGCGAC	CTTTGTGCGGCCAGCTGTCCATGCGCCGTGTCAGA	2099		
DB	2048	CCA	CAGGCTTGAGCCAGCTTAGCGAC	CTTTGTGCGGCCAGCTGTCCATGCGCCGTGTCAGA	2107		
QY	2100	GCAGAG	CACAGTGTCTGTGCACTGAGAACCTTTAAACCAAGTTGAAATATACCCACACC	2159			
DB	2108	GCAGAG	CACAGTGTCTGTGCACTGAGAACCTTTAAACCAAGTTGAAATATACCCACACC	2167			
QY	2160	TGTTTGTCTTAAAGCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAA	2219				

[illegible]

Db	3248	TGAAAGCTATGAGAAATAGATGTGTGGGTGAAGCCATAGAACATATTTTGGCTTGGAAATTCCTT	3301
Qy	3299	GAGCAGGGATCTTTATAAAGGGCCAGAAATGAAGATGTGTGGTTCCACATAGATAGTGAGCGT	3358
Db	3308	GAGCAGGGATCTTTATAAAGGGCCAGAAATGAAGATGTGTGGTTCCACATAGATAGTGAGCGT	3367
Qy	3359	AACATCTGTATTTAAACATAGAGAGAAAGTTTATAAAGGGCAATTGGCAATAAACTCTTTTGT	3418
Db	3368	AACATCTGTATTTAAACATAGAGAGAAAGTTTATAAAGGGCAATTGGCAATAAACTCTTTTGT	3427
Qy	3419	TGCAGCTTTTCCACAGCAGTGAATAACCTTTTTCCTGTGATTAATGATATAGCCCTTGGAAAT	3478
Db	3428	TGCAGCTTTTCCACAGCAGTGAATAACCTTTTTCCTGTGATTAATGATATAGCCCTTGGAAAT	3487
Qy	3479	GGCACCTTTTAACTAAACCCATATGTGTGTGGTTTCCATGTGTTTTTATATTCAGATGTAT	3538
Db	3488	GGCACCTTTTAACTAAACCCATATGTGTGTGGTTTCCATGTGTTTTTATATTCAGATGTAT	3547
Qy	3539	ATATGGTGCTCACCTTTTAGGATCAGCAGTGTGACCAATTTATGCTGTCATAGCTGTATTAATA	3598
Db	3548	ATATGGTGCTCACCTTTTAGGATCAGCAGTGTGACCAATTTATGCTGTCATAGCTGTATTAATA	3607
Qy	3599	GCCTTATTAGTTGTGTGGTTGACCCCTGGGGTATACAAATGTCAGTCTGAGTGGTGTCCTT	3658
Db	3608	GCCTTATTAGTTGTGTGGTTGACCCCTGGGGTATACAAATGTCAGTCTGAGTGGTGTCCTT	3667
Qy	3659	ACTCCTTTGTTTATAAGTGAATGATCTGCAATGTTTTGTATGTATCATAGTATGCTGCACACA	3718
Db	3668	ACTCCTTTGTTTATAAGTGAATGATCTGCAATGTTTTGTATGTATCATAGTATGCTGCACACA	3727
Qy	3719	TAAAGGGAGGGAGCGAAAAACCAATTACATTTAAGATAAATATGGACCAAACTACTTACTT	3778
Db	3728	TAAAGGGAGGGAGCGAAAAACCAATTACATTTAAGATAAATATGGACCAAACTACTTACTT	3787
Qy	3779	GCTCTAAACAGTTACTTGTACCCCTTAAACCTGTCTTCAAAAGTTGCATATAGTTACAGTA	3838
Db	3788	GCTCTAAACAGTTACTTGTACCCCTTAAACCTGTCTTCAAAAGTTGCATATAGTTACAGTA	3847
Qy	3839	GTGTATAAATTAATATTTGTGGAAAAACAGTCTTGTAATTTTCTGTATGTGTGTATATAT	3898
Db	3848	GTGTATAAATTAATATTTGTGGAAAAACAGTCTTGTAATTTTCTGTATGTGTGTATATAT	3907
Qy	3899	ATATAATTTATGTACTTCTGGCAATTTCTATCTGTATTTTAAAGATGTGCAATCTTTGACACC	3958
Db	3908	ATATAATTTATGTACTTCTGGCAATTTCTATCTGTATTTTAAAGATGTGCAATCTTTGACACC	3967
Qy	3959	AATTTTAAAGATAGCTGTGAGACCGAATTTAAAGATAATTCCTTACCAAGTGAAAAATTGATG	4018
Db	3968	AATTTTAAAGATAGCTGTGAGACCGAATTTAAAGATAATTCCTTACCAAGTGAAAAATTGATG	4027
Qy	4019	TGTGTAAAGGGGTACAGAAATTAACAATGATTTTGGTCAGTTGCTTCCAAATGCTGGTTGA	4078
Db	4028	TGTGTAAAGGGGTACAGAAATTAACAATGATTTTGGTCAGTTGCTTCCAAATGCTGGTTGA	4087
Qy	4079	TTTCCCTCATTTGTATAACATTTGACAGGTATGACAAATGGGAAAAAAAATCCAAATAA	4138
Db	4088	TTTCCCTCATTTGTATAACATTTGACAGGTATGACAAATGGGAAAAAAAATCCAAATAA	4147
Qy	4139	TAAAGTGACATATTTGGTGTTCAGCAAT	4165
Db	4148	TAAAGTGACATATTTGGTGTTCAGCAAT	4174

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; APPLICANT: Tang, Y. Tom
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; APPLICANT: Xu, Chongjun
; APPLICANT: Zhou, Ping

Db	1981	TCAGAGCGTGAAGACGGCTCACTTCACTGTTCCATTTGGTTTACTATTTTAAAGTGG	2040	Db	3061	TTGTTTTTTCACITTTGCTTTTCTGCAAAAACAAATAACAAAGAACTCTTGCTTTAAACCT	3120
QY	1681	GGCTTAGGAGCAATTATTTATACCTTTCCATTTGTTGCCCTGATGATGACAATGCAAT	1740	QY	2756	ATTCTGTACAAAGACTGTTTTTGACCAGATAATCATCTGTTGTGGCATTCTTATCTTGTA	2815
Db	2041	GGCTTAGGAGCAATTATTTATACCTTTCCATTTGTTGCCCTGATGATGACAATGCAAT	2100	Db	3121	ATTCTGTACAAAGACTGTTTTTGACCAGATAATCATCTGTTGTGGCATTCTTATCTTGTA	3180
QY	1741	GGTCTTTGTGCATGCTGCTAGACACATTTTCTTTCCAGCGGGAAGCCCTATTATGTAATT	1800	QY	2816	GGACACTGTATATTGCAAAATTCCTGATTATGGAAGGGGCCAGTTCGTGTTTTTTCATGCA	2875
Db	2101	GGTCTTTGTGCATGCTGCTAGACACATTTTCTTTCCAGCGGGAAGCCCTATTATGTAATT	2160	Db	3181	GGACACTGTATATTGCAAAATTCCTGATTATGGAAGGGGCCAGTTCGTGTTTTTTCATGCA	3240
QY	1801	TTTACATTCATAATTTTAAATGCGATGATCAGGATTAAATCAAGATATATATCTGGAACC	1860	QY	2876	GTGCCCTGGGAGTCTTTAAAGCAGTCTTTAGCAAATTGTTGATAGCATGTGCTGGGGAC	2935
Db	2161	TTTACATTCATAATTTTAAATGCGATGATCAGGATTAAATCAAGATATATATCTGGAACC	2220	Db	3241	GTGCCCTGGGAGTCTTTAAAGCAGTCTTTAGCAAATTGTTGATAGCATGTGCTGGGAC	3300
QY	1861	TCTTATAAATGGAGCACTTAGAAATTTGTTGTTCTGCACCTTAACTTAGAGAGAGAAAAA	1920	QY	2936	CCAGGGCCCTTCCCACTCTTTCAGCCCCGAGTCACTGTCCTGAGGTGACGGACTGAGACG	2995
Db	2221	TCTTATAAATGGAGCACTTAGAAATTTGTTGTTCTGCACCTTAACTTAGAGAGAGAAAAA	2280	Db	3301	CCAGGGCCCTTCCCACTCTTTCAGCCCCGAGTCACTGTCCTGAGGTGACGGACTGAGACG	3360
QY	1921	TGC-TTTTCTTTGTGAAAAATCTGAAATTCCTGTCCTGACCTTCTGTGATGTGGAACCCCT	1979	QY	2996	CATCTGGTCTCTGTAAATTCAGAGAGTGGGCACTACCAAGAACTGCAATTCGTGTGGTCA	3055
Db	2281	TGCTTTTCTTTGTGAAAAATCTGAAATTCCTGTCCTGACCTTCTGTGATGTGGAACCCCT	2340	Db	3361	CATCTGGTCTCTGTAAATTCAGAGAGTGGGCACTACCAAGAACTGCAATTCGTGTGGTCA	3420
QY	1980	AGGCTCTGAGACACACTCTCTGCTGTCTGAGACAGAACCAAGCAATAACGTTGTGATGC	2039	QY	3056	CTGTTTTCTTCAAGTACACACTGCTCTGCTACTTTAGGATAAATAATTTTACTCAGAAC	3115
Db	2341	AGGCTCTGAGACACACTCTCTGCTGTCTGAGACAGAACCAAGCAATAACGTTGTGATGC	2400	Db	3421	CTGTTTTCTTCAAGTACACACTGCTCTGCTACTTTAGGATAAATAATTTTACTCAGAAC	3480
QY	2040	CCACAGCCCTGGAGCCAGCTAGCCACCTTTGTGCCGCCACGCTGTCATGCCCGTGCAGA	2099	QY	3116	TCGAAATTTACAGTATACCTTACTTAAACTAAAGTAAATAATGATCTTAAATACTTATTTT	3175
Db	2401	CCACAGCCCTGGAGCCAGCTAGCCACCTTTGTGCCGCCACGCTGTCATGCCCGTGCAGA	2460	Db	3481	TCGAAATTTACAGTATACCTTACTTAAACTAAAGTAAATAATGATCTTAAATACTTATTTT	3540
QY	2100	GCAGAGCAGTGAGTGTCTGCACTGAGAACCTTTAAACCAAGTGAACATACCCACACC	2159	QY	3176	ACTTTCTACAGCTTAGCTAGATGTTTTTAAGCTACAGCTCTAGTTCATTTGTGATTTTATA	3235
Db	2461	GCAGAGCAGTGAGTGTCTGCACTGAGAACCTTTAAACCAAGTGAACATACCCACACC	2520	Db	3541	ACTTTCTACAGCTTAGCTAGATGTTTTTAAGCTACAGCTCTAGTTCATTTGTGATTTATA	3600
QY	2160	TGTTTGTCTTAAAGCTAGTGTAAACAAAGTTTGGGCTCTGAAATTTTAACTGAAAAA	2219	QY	3236	ATTTGAAAGCTATGAAATAGATGTGTGGGTGAAGCCATAGAACATATTTGCTTGAATTT	3295
Db	2521	TGTTTGTCTTAAAGCTAGTGTAAACAAAGTTTGGGCTCTGAAATTTTAACTGAAAAA	2580	Db	3601	ATTTGAAAGCTATGAAATAGATGTGTGGGTGAAGCCATAGAACATATTTGCTTGAATTT	3660
QY	2220	GATTTCCCTGTTTTGTAAATAGTGTAGATAAAGTACTTAGATTTATAA-GGCAGCTTCCC	2278	QY	3296	CTTGACAGGGATCTTTATAAAGGGCCAGAAATAAGATGTGTGGTTTACATAGATAGTAG	3355
Db	2581	GATTTCCCTGTTTTGTAAATAGTGTAGATAAAGTACTTAGATTTATAAAGGGCAGCTTCCC	2640	Db	3661	CTTGACAGGGATCTTTATAAAGGGCCAGAAATAAGATGTGTGGTTTACATAGATAGTAG	3720
QY	2279	CTGTAGTGATAAATTACACAGACACAACTTTATTTTGTAAATGTGTGATGAAGTGTATGTC	2338	QY	3356	CGTAAACATCTGTATTTAAACATAGGAGAGAAAGTTTATAAAGGGCATTTGGCAATAAACTCTT	3415
Db	2641	CTGTAGTGATAAATTACACAGACACAACTTTATTTTGTAAATGTGTGATGAAGTGTATGTC	2700	Db	3721	CGTAAACATCTGTATTTAAACATAGGAGAGAAAGTTTATAAAGGGCATTTGGCAATAAACTCTT	3780
QY	2339	TTAACTCTACTTAGAGAGTGTATGTCCTTAACAGAACAAAAAGATGCTCTGTGTAAAT	2398	QY	3416	TGTTGCAGCTGTTTTCCAAAGCAGTGTAAATACTTTTTTCTGTGATTTATGTATAGCCTTGG	3475
Db	2701	TTAACTCTACTTAGAGAGTGTATGTCCTTAACAGAACAAAAAGATGCTCTGTGTAAAT	2760	Db	3781	TGTTGCAGCTGTTTTCCAAAGCAGTGTAAATACTTTTTTCTGTGATTTATGTATAGCCTTGG	3840
QY	2399	TCCTTCCCTGAGGGCACACTGCAGGAATTTCCATGTAGATAGAGAACTATAGGGCCTAGT	2458	QY	3476	AATGGCACCTTTTAACTTAACCCATATGCTGTTGGTTTCAATGGTTTTTTTATATTCAGATG	3535
Db	2761	TCCTTCCCTGAGGGCACACTGCAGGAATTTCCATGTAGATAGAGAACTATAGGGCCTAGT	2820	Db	3841	AATGGCACCTTTTAACTTAACCCATATGCTGTTGGTTTCAATGGTTTTTTTATATTCAGATG	3900
QY	2459	ACAGAGGTGCACA-CHAAATGTTGGCAAGTC-APACCCCATGAAATTAACCTTCTGGA	2516	QY	3536	TATATATGCTGCTCACTTTTAGGATCAGCAGTGTGGACCATTTATGCTGCATAGCTGTATT	3595
Db	2821	ACAGAGGTGCACAGCAAAATGTTGGCAAGTCAAAACCCCATGAAATTAACCTTCTGGA	2880	Db	3901	TATATATGCTGCTCACTTTTAGGATCAGCAGTGTGGACCATTTATGCTGCATAGCTGTATT	3960
QY	2517	ATTGTGTTTTTAGGAGTTTGGTAATTAGATTTATCTCTTTTGTATTTCATTTCAGTTATA	2576	QY	3596	ATAGCCCTTATTAGTGTGTTGACCCCTTGGGGTATACAAATGTCAGTCTGAGTGGTGT	3655
Db	2881	ATTGTGTTTTTAGGAGTTTGGTAATTAGATTTATCTCTTTTGTATTTCATTTCAGTTATA	2940	Db	3961	ATAGCCCTTATTAGTGTGTTGACCCCTTGGGGTATACAAATGTCAGTCTGAGTGGTGT	4020
QY	2577	TCCTTTT-GGCTCAGCTAGCTTGAATTTGGCTGATGAAAAAATATACATAAAAAGGTPAAA	2635	QY	3656	CTTACTCCCTTTGTTTTTATAGTGAATGATTTGTTGTTTGTATGTCATAGTATGCTGTC	3715
Db	2941	TCCTTTTGGGCTCAGCTAGCTTGAATTTGGCTGATGAAAAAATATACATAAAAAGGTPAAA	3000	Db	4021	CTTACTCCCTTTGTTTTTATAGTGAATGATTTGTTGTTTGTATGTCATAGTATGCTGTC	4080
QY	2636	ATTACACATACAGCAAAACAAAAATGCAAAAGCCTGCTTCGTAACTTTTTTTTCTGGAA	2695	QY	3716	ACATAAAGGGAGGGAGCGAAAAACCAATTACATTAAGATAAATTTGGAACCAACTACTTA	3775
Db	3001	ATTACACATACAGCAAAACAAAAATGCAAAAGCCTGCTTCGTAACTTTTTTTTCTGGAA	3060	Db	4081	ACATAAAGGGAGGGAGCGAAAAACCAATTACATTAAGATAAATTTGGAACCAACTACTTA	4140
QY	2696	TTGTTTTTCACTTTGCTTTTTTCTGCCCCAACATAATCAAGAACTCTTTCCTTTAACCTT	2755	QY	3776	CTTGCTCTAAACAGTTACTTTGTAACCCCTTAACTGCTTCAAAAGTTGCATATAGTTACA	3835
				Db	4141	CTTGCTCTAAACAGTTACTTTGTAACCCCTTAACTGCTTCAAAAGTTGCATATAGTTACA	4200

Qy	3836	GTAGTGATATAAATTAAATATTGCGAAAAACAGCTCTTGTATTTTTCGTATGTGTG--TA	3893
Db	4201		
Qy	3894	TATATATATAATTATGTACTTCTGGCAATTCATCTCTATTTAAAGATGTGACAATCTTG	3953
Db	4261	TATATATATAATTATGTACTTCTGGCAATTCATCTCTATTTAAAGATGTGACAATCTTG	4320
Qy	3954	ACACCAAATTTTAGAATAGCTGTGTGAGCCGAA TTTAAAGATAATCCCTACCAAGTGA AAAAT	4013
Db	4321	ACACCAAATTTTAGAATAGCTGTGTGAGACC GAA TTTAAAGATAATCCCTACCAAGTGA AAAAT	4380
Qy	4014	TGATGTGTGTTAAGAGGGTACAGAA TTATCAA CTGATTCGGTCAGTTGCCTTCCAATGCTG	4073
Db	4381	TGATGTGTGTTAAGAGGGTACAGAA TTATCAA CTGATTCGGTCAGTTGCCTTCCAATGCTG	4440
Qy	4074	GTTGATTTCCCTCATTTGTGTAAAACATTTGACAGGTATGTGACAAATGGGAAAAAAAAATFCCA	4133
Db	4441	GTTGATTTCCCTCATTTGTGTAAAACATTTGACAGGTATGTGACAAATGGGAAAAAAAAATFCCA	4500
Qy	4134	AATAATAAAGTGACATATTCGGTGTTCAGCAAT	4165
Db	4501	AATAATAAAGTGACATATTCGGTGTTCAGCAAT	4532

RESULT 7

US-10-311-034-47
 ; Sequence 47, Application US/10311034
 ; Publication No. US20040023242A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.
 ; APPLICANT: YUE, Henry
 ; APPLICANT: LAL, Preeti
 ; APPLICANT: BANDMAN, Olga
 ; APPLICANT: BOROMSKY, Mark L.
 ; APPLICANT: AU-YOUNG, Janice
 ; APPLICANT: LU, Yan
 ; APPLICANT: GANDHI, Ameena R.
 ; APPLICANT: TRIBOULEY, Catherine M.
 ; APPLICANT: CHAWLA, Narinder K.
 ; APPLICANT: YAO, Monique G.
 ; APPLICANT: LU, Dyung Aina M.
 ; APPLICANT: GREENWALD, Sara R.
 ; APPLICANT: RAMKUMAR, JayaIaxmi
 ; APPLICANT: GRIFFIN, Jennifer A.
 ; APPLICANT: KEARNEY, Liam
 ; APPLICANT: BURFORD, Neil
 ; APPLICANT: NGUYEN, Dannel B.
 ; APPLICANT: TANG, Y. Tom
 ; APPLICANT: BAUGHN, Mariah R.
 ; APPLICANT: HE, Ann
 ; APPLICANT: THORNTON, Michael
 ; APPLICANT: HAFALIA, April
 ; APPLICANT: ARVIZU, Chandra S.
 ; APPLICANT: GURURAJAN, Rajagopal
 ; APPLICANT: LO, Terence P.
 ; APPLICANT: KHAH, Farrah A.
 ; APPLICANT: RECIPON, Shirley A.
 ; APPLICANT: AZIMZAI, Yalda
 ; APPLICANT: POLICKY, Jennifer L.
 ; APPLICANT: DING, Li
 ; APPLICANT: GREYER, Megan
 ; APPLICANT: ELLIOTT, Vicki S.
 ; APPLICANT: THANGAVELU, Kavitha
 ; APPLICANT: BATRA, Sajeev
 ; APPLICANT: ISON, Craig H.
 ; TITLE OF INVENTION: HUMAN KINASES
 ; FILE REFERENCE: PI-0125 PCT
 ; CURRENT APPLICATION NUMBER: US/10/311,034
 ; CURRENT FILING DATE: 2002-12-10
 ; PRIOR APPLICATION NUMBER: 60/212,073; 60/213,467; 60/215,651; 60/218,372;
 ; 60/228,056

QY 841 TCCAGGTACAGTTCAAAAACGCTACACCGAGGAAAAAGTCAGGGCGGGCTCCAGCTG 900
DB 1750 TCCAGGTACAGTTCAAAAACGCTACACCGAGGAAAAAGTCAGGGCGGGCTCCAGCTG 1809
QY 901 CAGTAGTTCCGAGACAGAGTATGATGATTTCTGAAAGCCGCGCGGCTCGATAAAGATAG 960
DB 1810 CAGTAGTTCCGAGACAGAGTATGATGATTTCTGAAAGCCGCGCGGCTCGATAAAGATAG 1869
QY 961 CGGGTTACCTACTCTCTGGCACCGAGCGGATAGCAGGAGGGGCCCTCTGGCAGTAGGG 1020
DB 1870 CGGGTTACCTACTCTCTGGCACCGAGCGGATAGCAGGAGGGGCCCTCTGGCAGTAGGG 1929
QY 1021 GGATGGGGGGCCAGAGCAAGCCGAGCAATGCCAGTGGAGGGGTGACAAAGCCAGCCC 1080
DB 1930 GGATGGGGGGCCAGAGCAAGCCAAAGCAATGCCAGTGGAGGGGTGACAAAGCCAGCCC 1989
QY 1081 CAGTAGAACAATGCTGGTGGGGGCGAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACCA 1140
DB 1990 CAGTAGAACAATGCTGGTGGGGGCGAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACCA 2049
QY 1141 TACATCGGTTACACACGCGCTGTGCGGCGCCAGCAACTCATGAGCTGGCCCTCTCG 1200
DB 2050 TACATCGGTTACACACGCGCTGTGCGGCGCCAGCAACTCATGAGCTGGCCCTCTCG 2109
QY 1201 CAGTGTGGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTCGCTCGGCTCCAGCT 1260
DB 2110 CAGTGTGGGGAGCTCGTTGAGAGCCTCAAACTCATGAGCCTCGCTCGGCTCCAGCT 2169
QY 1261 TCATGGGAGCACCAAGTACATTAATGATCCACAGAAATGGCTGTCAATTTCCAGTGTAA 1320
DB 2170 TCATGGGAGCACCAAGTACATTAATGATCCACAGAAATGGCTGTCAATTTCCAGTGTAA 2229
QY 1321 AGTCCAAGAAATCTACGTGGAAAAATGTGCATTTAGCTCCAGGGAATGCAGGGCAGGT 1380
DB 2230 AGTCCAAGAAATCTACGTGGAAAAATGTGCATTTAGCTCCAGGGAATGCAGGGCAGGT 2289
QY 1381 CCCTGAGTGGGGGAGCAATAAGTTTTCTCTGACCACTAGGAGATACCACTCAATTT 1440
DB 2290 CCCTGAGTGGGGGAGCAATAAGTTTTCTCTGACCACTAGGAGATACCACTCAATTT 2349
QY 1441 GGAACGGATAAAGAGCAAGAACCTGAAAAATACAGTGTGTCAGCTACCTCTGTGCGAAAA 1500
DB 2350 GGAACGGATAAAGAGCAAGAACCTGAAAAATACAGTGTGTCAGCTACCTCTGTGCGAAAA 2409
QY 1501 GACCATCTCTGTGAAACATCCAGCGGAAACCTTAAGAGGGGCTGCTGTGCGATCCAGCCC 1560
DB 2410 GACCATCTCTGTGAAACATCCAGCGGAAACCTTAAGAGGGGCTGCTGTGCGATCCAGCCC 2469
QY 1561 AGCCAGCTGTGCCATGTCTCATCTGACGTGGCGCCCATCTGGCGCGTAGCACGCTTCTGTC 1620
DB 2470 AGCCAGCTGTGCCATGTCTCATCTGACGTGGCGCCCATCTGGCGCGTAGCACGCTTCTGTC 2529
QY 1621 TCAGAGCAGTGAAGAACCGGCTCACTTCACTGTGTTCCATTTGGTTTAAAGTGG 1680
DB 2530 TCAGAGCAGTGAAGAACCGGCTCACTTCACTGTGTTCCATTTGGTTTAAAGTGG 2589
QY 1681 GCGTTAGAGCAATTAATTAATACCTTTCCATTTGTCGCTGATGATGACAAATGCAT 1740
DB 2590 GCGTTAGAGCAATTAATTAATACCTTTCCATTTGTCGCTGATGATGACAAATGCAT 2649
QY 1741 GGTCTTTGTCATGCTGTAGACACTTTCTTCCAGCCGAAAGCCTATTATGTAATT 1800
DB 2650 GGTCTTTGTCATGCTGTAGACACTTTCTTCCAGCCGAAAGCCTATTATGTAATT 2709
QY 1801 TTTTACATTCATAATTTTAAATGTGGATGATCAGGATTAATAACAAGATATATCTGGAAACC 1860
DB 2710 TTTTACATTCATAATTTTAAATGTGGATGATCAGGATTAATAACAAGATATATCTGGAAACC 2769
QY 1861 TCTTATAAATGGAGCACTTAAGAAATTTGTTGTTCTGCACCTTAACCTTAGAGAGAGAAAAA 1920
DB 2770 TCTTAAAAATGGAGCACTTAAGAAATTTGTTGTTCTGCACCTTAACCTTAGAGAGAGAAAAA 2829
QY 1921 TGCTTTTCTTTGTGAAAAATCTGAATTTCTGTCCTGACCTTCTGTGATGTGGAACCCCTA 1980

DB 2830 TGCTTTTCTTTGTGAAAAATCTGAATTTCTGTCTCTGACCTTCTGTGATGTGGAACCCCTA 2889
QY 1981 GGCTCTGAGACACACTCTCTGTGTGTGTGAGACAGAAACCAAGCAATTAAGTTGTATGCC 2040
DB 2890 GGCTCTGAGACACACTCTCTGTGTGTGTGAGACAGAAACCAAGCAATTAAGTTGTATGCC 2949
QY 2041 CACAGSCCTGGAGCCAGCTAGCGACTTGTGCGGCCAGCTCTCATATGCGCCGTCGAGAG 2100
DB 2950 CACAGSCCTGGAGCCAGCTAGCGACTTGTGCGGCCAGCTCTCATATGCGCCGTCGAGAG 3009
QY 2101 CAGAGGACAGTGTGAGTGTCTGCACTGAGAACCTTTAAACCA CAGTTGAAACATACCAACT 2160
DB 3010 CAGAGGACAGTGTGAGTGTCTGCACTGAGAACCTTTAAACCA CAGTTGAAACATACCAACT 3069
QY 2161 GTTGTCTTAAAGCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAG 2220
DB 3070 GTTGTCTTAAAGCTATAGTGTAAAAACAAAGTTTGGGCTCTGAAAAATTTAACTGAAAAAG 3129
QY 2221 ATTTCTTGTGTTTGTATAGGTGAGATAAAGTACTTAGATTTATAAGCAGCTTCCCT 2280
DB 3130 ATTTCTTGTGTTTGTATAGGTGAGATAAAGTACTTAGATTTATAAGCAGCTTCCCT 3189
QY 2281 GTAGTGAATAAATTACAAGCAGACAATCTTTATTTGTAAATGTGATGAAGTGTGATGCTCT 2340
DB 3190 GTAGTGAATAAATTACAAGCAGACAATCTTTATTTGTAAATGTGATGAAGTGTGATGCTCT 3249
QY 2341 AA CTCTACTTAGAGAGTGTATGTCTGTCTAA CAGAAACAAAAAGATGCTCTGTGTAATTC 2400
DB 3250 AA CTCTACTTAGAGAGTGTATGTCTGTCTAA CAGAAACAAAAAGATGCTCTGTGTAATTC 3309
QY 2401 CTTCTGTAGGCGACACTGCAGGATTTCCATGTAGATAGAAGAACTATAGGGCTTAGTAC 2460
DB 3310 CTTCTGTAGGCGACACTGCAGGATTTCCATGTAGATAGAAGAACTATAGGGCTTAGTAC 3369
QY 2461 AGAAGGTGCACACAAATGTTGGCAAGTC- AAACCCCATGAAATTAACACTACTGGAATTT 2519
DB 3370 AGAAGGTGCACACAAATGTTGGCAAGTC- AAACCCCATGAAATTAACACTACTGGAATTT 3429
QY 2520 TGTGTTTTAGGAGTTTGGTAAATTAGATTAATCTCTTTGTTGTTATTTTCACTTATATACC 2579
DB 3430 TGTGTTTTAGGAGTTTGGTAAATTAGATTAATCTCTTTGTTGTTATTTTCACTTATATACC 3489
QY 2580 TTTGGCTCAGCTAGCTTTTGAAATTTGGCTGATGAAAAATATACATAAAGGGTAAATTTTC 2639
DB 3490 TTTGGCTCAGCTAGCTTTTGAAATTTGGCTGATGAAAAATATACATAAAGGGTAAATTTTC 3549
QY 2640 ACACATACAGCAACAAAAATGCACAAAGCCTGCTGTAACCTTTTTTTTCTGGAATTTGT 2699
DB 3550 ACACATACAGCAACAAAAATGCACAAAGCCTGCTGTAACCTTTTTTTTCTGGAATTTGT 3609
QY 2700 TTTTCACTTTGCTTTTTCTGCCAAAAACAAATTAATCAAGAACTCTTGTCTTAACTTATTC 2759
DB 3610 TTTTCACTTTGCTTTTTCTGCCAAAAACAAATTAATCAAGAACTCTTGTCTTAACTTATTC 3669
QY 2760 CTGTACAAAGACTGTTTTTGACCCAGATAATCATCTGTGTGGCATCTCATCTTGTAGGAC 2819
DB 3670 CTGTACAAAGACTGTTTTTGACCCAGATAATCATCTGTGTGGCATCTCATCTTGTAGGAC 3729
QY 2820 ACTGTATATTGCAAAATGCTGATTTATGGAAGGGGCCAGTTGCTGTTTTTTCATGCAAGTGC 2879
DB 3730 ACTGTATATTGCAAAATGCTGATTTATGGAAGGGGCCAGTTGCTGTTTTTTCATGCAAGTGC 3789
QY 2880 CTTGGAGCTTTAAAGCAGTGTCTTAGCAACATTGCTGTAGTATGATCTGCTGGGCCAG 2939
DB 3790 CTTGGAGCTTTAAAGCAGTGTCTTAGCAACATTGCTGTAGTATGATCTGCTGGGCCAG 3849
QY 2940 GGCCTTTCCCACTCTTTCAGCCCCGAGTCAATGCTGAGGTGACGAGCTGACGACGATC 2999
DB 3850 GGCCTTTCCCACTCTTTCAGCCCCGAGTCAATGCTGAGGTGACGAGCTGACGACGATC 3909
QY 3000 TGCTCTCTGTAATTTACAGAGTGGGCAATCAACAAAAAGAACTGCAATTTGCTGTGCTACTGT 3059

QY 2352 GAGAGTGTATGCTCTGCTACAGAACAAAAGAGATGCTCTGTGTAATAATTCCTTCTCTGAGG 2411
DB 1439 GAGAGTGTATGCTCTGCTACAGAACAAAAGAGATGCTCTGTGTAATAATTCCTTCTCTGAGG 1498
QY 2412 GCACACTGCAAGGATTTCCATGTAGTAGAAGAACTATAGGCGCTAGTACAGAAAGGTGCAC 2471
DB 1499 GCACACTGCAAGGATTTCCATGTAGTAGAAGAACTATAGGCGCTAGTACAGAAAGGTGCAC 1558
QY 2472 ACAAATGTTGGCAAAAGTC- AAACCCCATGAATTAACCTACCTACCTGGAATTTGGTTTTAGG 2530
DB 1559 ACAAATGTTGGCAAAAGTC- AAACCCCATGAATTAACCTACCTACCTGGAATTTGGTTTTAGG 1618
QY 2531 AGTTTGTAAATAGATATCTCTTTTGTATTTTCAATTCAGTTATATCTTTTGGCTCAGC 2590
DB 1619 AGTTTGTAAATAGATATCTCTTTTGTATTTTCAATTCAGTTATATCTTTTGGCTCAGC 1678
QY 2591 TAGCTTTGAAATTTGGCTGATGAAAAAATAFACATAAAAGGTTAAATTTACACATACAGC 2650
DB 1679 TAGCTTTGAAATTTGGCTGATGAAAAAATAFACATAAAAGGTTAAATTTACACATACAGC 1738
QY 2651 AAAAATAATGCAAAAGCCTGCTTGTAACTTTTCTGGAATTTGTTTTTCACTTTG 2710
DB 1739 AAAAATAATGCAAAAGCCTGCTTGTAACTTTTCTGGAATTTGTTTTTCACTTTG 1798
QY 2711 CCTTTTCTGCCAAAACAATAATCAAGAACTCTTGTCTTAACTTCTGCTGACAAAGA 2770
DB 1799 CCTTTTCTGCCAAAACAATAATCAAGAACTCTTGTCTTAACTTCTGCTGACAAAGA 1858
QY 2771 CTGTTTTGACAGATAATCATCTGTTGTGGCAATCTATCTGTAGGACACTGTATATTG 2830
DB 1859 CTGTTTTGACAGATAATCATCTGTTGTGGCAATCTATCTGTAGGACACTGTATATTG 1918
QY 2831 CAAATTCCTGATTATGGAAGGCGAGTCTGCTGTTTTTCAATGAGTGCCTCGGAGTCT 2890
DB 1919 CAAATTCCTGATTATGGAAGGCGAGTCTGCTGTTTTTCAATGAGTGCCTCGGAGTCT 1978
QY 2891 TAAAGCAGTCTTAGCAACATTTGATAGCATGTGGCTGGGACCCAGGGCCCTTCCCC 2950
DB 1979 TAAAGCAGTCTTAGCAACATTTGATAGCATGTGGCTGGGACCCAGGGCCCTTCCCC 2038
QY 2951 ACTCTTCAGGCCCGAGTCATGTGCTGAGGTGACGGAATGAGCGCATCTGTCCTGTAA 3010
DB 2039 ACTCTTCAGGCCCGAGTCATGTGCTGAGGTGACGGAATGAGCGCATCTGTCCTGTAA 2098
QY 3011 TTGAGAGTGGGCAATCAACAAAGTCAATGCTGTGGTCACTGTTTCTCAAGTA 3070
DB 2099 TTGAGAGTGGGCAATCAACAAAGTCAATGCTGTGGTCACTGTTTCTCAAGTA 2158
QY 3071 CACACTGACTCTGCTACTTTAGGATAAATATATTTTACTCAGAACTCTGAATTTACAGT 3130
DB 2159 CACACTGACTCTGCTACTTTAGGATAAATATATTTTACTCAGAACTCTGAATTTACAGT 2218
QY 3131 ATACTTACTAACTAAGTAAATAATGATPACTTAAATACTTATTTTACTTCTAGACCTAG 3190
DB 2219 ATACTTACTAACTAAGTAAATAATGATPACTTAAATACTTATTTTACTTCTAGACCTAG 2278
QY 3191 GCTAGATGTTTTAAGCTACAGCTAGTTCATTTGTGATATTTAATTTGAAAGCTATGA 3250
DB 2279 GCTAGATGTTTTAAGCTACAGCTAGTTCATTTGTGATATTTAATTTGAAAGCTATGA 2338
QY 3251 GAATAGATGTGGGTGAAGCCATAGAAATATTTGCTTCAAAATTTCTGAGCAGGATCT 3310
DB 2339 GAATAGATGTGGGTGAAGCCATAGAAATATTTGCTTCAAAATTTCTGAGCAGGATCT 2398
QY 3311 TATAAAGGGCCAGAAATAAGATGTGGTTTACATAGATAGTGAGCGTAAACATCTGTATT 3370
DB 2399 TATAAAGGGCCAGAAATAAGATGTGGTTTACATAGATAGTGAGCGTAAACATCTGTATT 2458
QY 3371 AAACATAGGAGAGAGTTTAAAGGCGCATTTGGAATAAACTCTTTTGTTCAGCTGTTTT 3430
DB 2459 AAACATAGGAGAGAGTTTAAAGGCGCATTTGGAATAAACTCTTTTGTTCAGCTGTTTT 2518
QY 3431 CCAAGCAGTGTAAATACTTTTCTCTGTGATTATGTATAGCTTGGAAATGCACTTTTAA 3490

DB 2519 CCAAGCAGTGTAAATACTTTTCTCTGTGATTATGTATAGCTTGGATGCGACCTTTTAA 2578
QY 3491 CTAACCCATATGTGTTTGGTTTCAATGGTTTTTATATTCAGATGATATATGGTCTCA 3550
DB 2579 CTAACCCATATGTGTTTGGTTTCAATGGTTTTTATATTCAGATGATATATGGTCTCA 2638
QY 3551 CTTTAGGATCAGCAGTGTGACATTTATGCTGCGATAGCTGATATATAGCCTTATAGTT 3610
DB 2639 CTTTAGGATCAGCAGTGTGACATTTATGCTGCGATAGCTGATATATAGCCTTATAGTT 2698
QY 3611 GTGTGTTGACCTTGGGCTATACAAATGCTCAGTCTGAGTGTCTTACTCTTTGTTT 3670
DB 2699 GTGTGTTGACCTTGGGCTATACAAATGCTCAGTCTGAGTGTCTTACTCC-TTGKTT 2757
QY 3671 ATAAGTGAATGTTGCGATGTTTGTATGTCATAGTATGTCGTACATAAAAGGAGGG 3730
DB 2758 ATAAGTGAATGTTGCGATGTTTGTATGTCATAGTATGTCGTACATAAAAGGAGGG 2817
QY 3731 AGCGAAAAACCATTAAGTAAATATATTGGACCAAACTACTTACTTCTTAAACAGT 3790
DB 2818 AGCGAAAAACCATTAAGTAAATATATTGGACCAAACTACTTACTTCTTAAACAGT 2877
QY 3791 TACTTGTACCCCTTAACTCTGCTTCAAAAGTTGTCATATAGTTACAGTAGTATATAATTA 3850
DB 2878 TACTTGTACCCCTTAACTCTGCTTCAAAAGTTGTCATATAGTTACAGTAGTATATAATTA 2937
QY 3851 AATATTGCGAAAAACAGTCTTGTATTTTCTGTATGTCGTATATATATATATATATATGT 3910
DB 2938 AATATTGCGAAAAACAGTCTTGTATTTTCTGTATGTCGTATATATATATATATATATGT 2997
QY 3911 ACTTCTGGCAATCTATCTGTAATTTAAAGATGTCACAACTTGCACACCAATTTTAAAGAT 3970
DB 2998 ACTTCTGGCAATCTATCTGTAATTTAAAGATGTCACAACTTGCACACCAATTTTAAAGAT 3057
QY 3971 AGCTGTGACACCGAAATTAAGATAATCCCTACCAAGTAAAAATGATGTGTAAAGAG 4030
DB 3058 AGCTGTGACACCGAAATTAAGATAATCCCTACCAAGTAAAAATGATGTGTAAAGAG 3117
QY 4031 GTACAGAAATTAACAATGTTGGTCAAGTGTCTTCAATGCTGCTGTTGATTTCCCTCATTG 4090
DB 3118 GTACAGAAATTAACAATGTTGGTCAAGTGTCTTCAATGCTGCTGTTGATTTCCCTCATTG 3177
QY 4091 TGTAAACATTTGACAGTATGTCACAAATGGGAAAAAATCCAAATAATAAAGTGCACATA 4150
DB 3178 TGTAAACATTTGACAGTATGTCACAAATGGGAAAAAATCCAAATAATAAAGTGCACATA 3237
QY 4151 TTGGTGTTCAGCAAT 4165
DB 3238 TTGGTGTTCAGCAAT 3252

RESULT 10
US-10-108-260A-2237
; Sequence 2237, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2237
; LENGTH: 1768
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-2237
Query Match 23.1%; Score 962.4; DB 17; Length 1768;
Best Local Similarity 99.4%; Pred. No. 7,7e-243;
Matches 966; Conservative 0; Mismatches 6; Indels 0; Gaps 0;


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Qy 364 TAGCAGTCTATGGCCAAACCAAAATTGATGTACCCAGAGCCTTGAGGATGACCTCACGGC 423
Db 556 TAGCAGTCTATGGCCAAACCAAAATTGATGTACCCAGAGCCTTGAGGATGACCTCACGGC 615
Qy 424 CACTCCTTTGTCACAGGAGTGTCCCTCAGTCTCCTGCTCGGCTGCTGACAGTGTCT 483
Db 616 CACTCCTTTGTCACAGGAGTGTCCCTCAGTCTCCTGCTCGGCTGCTGACAGTGTCT 675
Qy 484 CAATGGCCACAGGACCAAGCCCTGTGTGACTCAGCTAAGAAAGTACCTCCCTGAGTT 543
Db 676 CAATGGCCACAGGACCAAGCCCTGTGTGACTCAGCTAAGAAAGTACCTCCCTGAGTT 735
Qy 544 GGCTGGACACAGCACTCTCTACGGTGCACCGGCAAGCTTAAACCCACAGCCAGTGGGG 603
Db 736 GGCTGGACACAGCACTCTCTACGGTGCACCGGCAAGCTTAAACCCACAGCCAGTGGGG 795
Qy 604 GAAGTGTCTGTACAGGCTGGAAGAGATGAAGAGAGATGAGGAGCAAGAAACCCAT 663
Db 796 GAAGTGTCTGTACAGGCTGGAAGAGATGAAGAGAGATGAGGAGCAAGAAACCCAT 855
Qy 664 GTCCCTCTCAACACAAAGTGGTTTTGCGCCGGAAGCCATCTGTAAACCAACCGCCTGACATC 723
Db 856 GTCCCTCTCAACACAAAGTGGTTTTGCGCCGGAAGCCATCTGTAAACCAACCGCCTGACATC 915
Qy 724 CAGGAAGAGTGGCCCGCTCTCAACAGATCTTTTGAGGAAGGGGAATCTGATGATGAGTT 783
Db 916 CAGGAAGAGTGGCCCGCTCTCAACAGATCTTTTGAGGAAGGGGAATCTGATGATGAGTT 975
Qy 784 TGACATGGATGAGAAATCTGCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTCTCC 843
Db 976 TGACATGGATGAGAAATCTGCTCCCAAGTTGAGCAGGTTAAAGATGAATATAGCTTCTCC 1035
Qy 844 AGGTACAGTTTACAAAACGCTACACCGAGGAGAAAGTCAGGCGGGGCTCCAGCTCGAG 903
Db 1036 AGGTACAGTTTACAAAACGCTACACCGAGGAGAAAGTCAGGCGGGGCTCCAGCTCGAG 1095
Qy 904 TAGTTCGGAGACCAAGTATGATGATCTGAAAGCCGGCGGGCTCGATAAAGATAGCGG 963
Db 1096 TAGTTCGGAGACCAAGTATGATGATCTGAAAGCCGGCGGGCTCGATAAAGATAGCGG 1155
Qy 964 GTTCACCTACTCTGGACACGAGCGGATAGCAGGAGGGGCCCCCTGGGAGTGGGGGA 1023
Db 1156 GTTCACCTACTCTGGACACGAGCGGATAGCAGGAGGGGCCCCCTGGGAGTGGGGGA 1215
Qy 1024 TGGCGGGGCGCAGCAAGCGAGCAATGCCAGTGGAGGGGTGGACAAGGCCAGCCCCAG 1083
Db 1216 TGGCGGGGCGCAGCAAGCGAGCAATGCCAGTGGAGGGGTGGACAAGGCCAGCCCCAG 1275
Qy 1084 TGAGAACAAATGCTGGTGGGGCAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACCAATAC 1143
Db 1276 TGAGAACAAATGCTGGTGGGGCAGTCCCTCCAGCGGCTCGGGTGGCAACCCCAACCAATAC 1335
Qy 1144 ATCGGGTACCAACAGCCGCTGTGCGGCGCCAGCAACTCCATGAGTGGCTCTGCGAG 1203
Db 1336 ATCGGGTACCAACAGCCGCTGTGCGGCGCCAGCAACTCCATGAGTGGCTCTGCGAG 1395
Qy 1204 TGCTGGGGAGCTGTTGAGAGCTTCAAACTCATGAGCCTTGCTCGGCTCCAGCTTCA 1263
Db 1396 TGCTGGGGAGCTGTTGAGAGCTTCAAACTCATGAGCCTTGCTCGGCTCCAGCTTCA 1455
Qy 1264 TGGGAGGACCAAGTACATTTGATCCACAGAAATGGCTGTGATTTCCAGTGTGAAGT 1323
Db 1456 TGGGAGGACCAAGTACATTTGATCCACAGAAATGGCTGTGATTTCCAGTGTGAAGT 1515
Qy 1324 CCAAGAAATC 1335
Db 1516 CCAAAATACATC 1527
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RESULT 11

US-09-918-995-23795

; Sequence 23795, Application US/09918995

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; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23795
; LENGTH: 502
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)..(502)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-23795
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Query Match 10.9%; Score 454.4; DB 10; Length 502;
Best Local Similarity 97.5%; Pred. No. 6.3e-109;
Matches 461; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 2888 TCTTAAAGCAGTGTCTAGCAACATTTGGTGTATGACATGTGGCTGGGACCCAGGGCCCTTC 2947
Db 29 TCGCACGAGCAGTGTCTAGCAACATTTGGTGTATGACATGTGGCTGGGACCCAGGGCCCTTC 88
Qy 2948 CCCACTCTTCAGCCCCCGAGTCATGTGTCTGAGGTGACGGACTGAGACGCAATCTGGTCTCG 3007
Db 89 CCCACTCTTCAGCCCCCGAGTCATGTGTCTGAGGTGACGGACTGAGACGCAATCTGGTCTCG 148
Qy 3008 TAATTCAGAGTGGGCACATCACCAAGAACTGCAATGCTGTGCTGCTGCTGCTGCTGCTGCTG 3067
Db 149 TAATTCAGAGTGGGCACATCACCAAGAACTGCAATGCTGTGCTGCTGCTGCTGCTGCTGCTG 208
Qy 3068 GTACACACTGACTCTGCTACTTTTAGGATAAATATATTTTACTCAGAACTCTGAAATTTTCA 3127
Db 209 GTACACACTGACTCTGCTACTTTTAGGATAAATATATTTTACTCAGAACTCTGAAATTTTCA 268
Qy 3128 AGTATATCTTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACT 3187
Db 269 AGTATATCTTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACTAACT 328
Qy 3188 TAGGCTAGATGTTTAAAGCTACAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTA 3247
Db 329 TAGGCTAGATGTTTAAAGCTACAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTA 388
Qy 3248 TGAGAAATAGATGTGTGGGTGAAGCCATAGAAACATATTTTGTGCTGAAATTTCTTTGAGCAG 3307
Db 389 TGAGAAATAGATGTGTGGGTGAAGCCATAGAAACATATTTTGTGCTGAAATTTCTTTGAGCAG 448
Qy 3308 TCTTATAAGGGCCAGAAATTAAGATGTGTGGTTTCAATAGATAGTACAGCGTAA 3360
Db 449 TCTTATAAGGGCCAGAAATTAAGATGTGTGGTTTCAATAGATAGTACAGCGTAA 501
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RESULT 12

US-09-969-034-4185/c

; Sequence 4185, Application US/09969034

; Publication No. US20040110668A1

; GENERAL INFORMATION:

; APPLICANT: Burgess, Christopher C.

; APPLICANT: Astle, Jon H.

; APPLICANT: Carroll, Eddie III

; APPLICANT: Catino, Theodore J.

; APPLICANT: Dwivedi, Poornima

; APPLICANT: Molino, Gary A.

; APPLICANT: Thiagalingam, Arunthathi

; APPLICANT: Lewis, Marcia E.

; TITLE OF INVENTION: Nucleic Acid Sequences Differentially


```
; TITLE OF INVENTION: Expressed in Cancer Tissue
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4185
; LENGTH: 505
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 482, 485, 503
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-4185

Query Match      9.8%; Score 409.6; DB 11; Length 505;
Best Local Similarity 97.0%; Pred. No. 4.4e-97;
Matches 460; Conservative 0; Mismatches 9; Indels 5; Gaps 4;

QY 3324 AAATAAGATGTGGTTTACATAGATAGTGAAGGCTAAACATCTGTATTAACATAGGAGAG 3383
Db AGAATAGATGTGGTTTACATAGATA-TGAGCGTAACATCTGTATT-AAATAGGAGAG 412
QY 3384 AGTTTATAAGGGCATTGGCAATAAACTCTTTGTGACGCTGTTTCCAGCAGTGTAA 3443
Db 411 AAGTTTAT-AAGGGCATTGGCAATAACTC--TTTGTGCAGCTGTTTCCAGCAGTGTAA 355
QY 3444 ATACTTTTCTCGATTATGTAGCTTGGAAATGGCACTTTTAACTAAACCCATATGT 3503
Db 354 ATACTTTTCTCGATTATGTAGCTTGGAAATGGCACTTTTAACTAAACCCATATGT 295
QY 3504 GTTTGGTTTCAATGGTTTTTTATATTACAGATGATATATATGCTGCACITTAGGATCAGC 3563
Db 294 GTTTGGTTTCAATGGTTTTTTATATTACAGATGATATATATGCTGCACITTAGGATCAGC 235
QY 3564 AGTTGTGACCATTTATGCTGCATAGCTGTATTATAGCTTATTAGTTGTGTTGACCC 3623
Db 234 AGTTGTGACCATTTATGCTGCATAGCTGTATTATAGCTTATTAGTTGTGTTGACCC 175
QY 3624 TTGGGGTATCAAAATGTCAGTCTGAGTGGTGTCTTACTCTCTTTGTTTATAAGTGAATGAT 3683
Db 174 TTGGGGTATCAAAATGTCAGTCTGAGTGGTGTCTTACTCTCTTTGTTTATAAGTGAATGAT 115
QY 3684 TGTGCATGTTTTGTATGTCATAGTATGCTGCATCAATAAAAGGGAGGAGCGAAAAACCAT 3743
Db 114 TGTGCATGTTTTGTATGTCATAGTATGCTGCATCAATAAAAGGGAGGAGCGAAAAACCAT 55
QY 3744 TACATTAAAGATATATTGGACGAAA CTACTTACTTGTCTTAAACAGTACTTGT 3797
Db 54 TACATTAAAGATATATTGGACCAAACTACTTACTTGTCTTAAACAGTACTTGT 1

RESULT 13
US-09-867-701-3627
; Sequence 3627, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Robert
; APPLICANT: Aglate, Paul A.
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3627
; LENGTH: 369
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-867-701-3627
Query Match      8.9%; Score 369; DB 9; Length 369;
Best Local Similarity 100.0%; Pred. No. 1.9e-86;
Matches 369; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3111 AGAACTCTGAATTTTCACAGTACTACTTAACTAACTAACTAACTAACTAACTAACTAACT 3170
Db 1 AGAACTCTGAATTTTCACAGTACTACTTAACTAACTAACTAACTAACTAACTAACTAACTAACT 60
QY 3171 ATTTTACTTTTCTAGACCTAGGCTAGATGTTTTAAAGCTACAGCTCTAGTTTCATTGTGATAT 3230
Db 61 ATTTTACTTTTCTAGACCTAGGCTAGATGTTTTAAAGCTACAGCTCTAGTTTCATTGTGATAT 120
QY 3231 TTATAATTTGAAAGCTATGAGAAATAGATGTGTGGGTGAAGCCATAGAAATATTTGCTTG 3290
Db 121 TTATAATTTGAAAGCTATGAGAAATAGATGTGTGGGTGAAGCCATAGAAATATTTGCTTG 180
QY 3291 AAATTTCTTCAGCAGGATCTTATAAGGGCCAGAAATAAGATGTGTGGTTCACATAGATA 3350
Db 181 AAATTTCTTCAGCAGGATCTTATAAGGGCCAGAAATAAGATGTGTGGTTCACATAGATA 240
QY 3351 GTGAGGCTAACATCTGTATTAAACATAGGAGAGAAAGTTTATAAAGGGCATTGGCAATAAA 3410
Db 241 GTGAGGCTAACATCTGTATTAAACATAGGAGAGAAAGTTTATAAAGGGCATTGGCAATAAA 300
QY 3411 CTCCTTTGTCAGCTGTTTTTCCAGCAGTGTAAATACTTTTTCTCTGTGATTATGTATAGC 3470
Db 301 CTCCTTTGTCAGCTGTTTTTCCAGCAGTGTAAATACTTTTTCTCTGTGATTATGTATAGC 360
QY 3471 CTTTGGAAATG 3479
Db 361 CTTTGGAAATG 369

RESULT 14
US-09-969-347-122/c
; Sequence 122, Application US/09969347
; Patent No. US20020115085A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signat
; FILE REFERENCE: 589290-69
; CURRENT APPLICATION NUMBER: US/09/969,347
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,598
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,604
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 318
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 122
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-347-122
Query Match      7.7%; Score 320; DB 9; Length 396;
Best Local Similarity 90.5%; Pred. No. 1.8e-73;
Matches 362; Conservative 21; Mismatches 13; Indels 4; Gaps 4;

QY 3766 AAATACTTACTTGTCTTAAACAGTACTTGTACCCCTTAACTGTCTTCAAAAGTTGCA 3825
Db 396 AAATACTTCTTTCCTTAAAGAG-TACTTGTGCCCTTTAACTGTCTTCAAAAGGKCA 338
QY 3826 TATAGTTACAGTAGTGTATAAATAATTTGGAAGAAACAGTCTTGTATTTTCTGTA 3885
Db 337 TATAGTTACAGTAGTGTATAAATAATTTGGAAGAAACAGTCTTGTATTTTCTGTA 279
QY 3886 TGTGCTATATATATAATATGATCTTCTGGCAATTTCTATCTGTATTAAAGATGTA 3945
```


Db 278 GTGGSVBAGABATATATAAATATCTACTCTGCGAATCTTAWCTGTATTTAAAGATGTGR 219
Qy 3946 CAATCTTTGACACCAATTTTAAAGATAGCTGTGAGACCGAATTAAGATAATCCCTACCAA 4005
Db 218 CAATCTTGACACCAATTTTAAAGATAGCTGTGAGACCGRATT-AAGATAATCCCTACCAA I60
Qy 4006 GTGAAAATTGATGTGTGTTAAAGAGGGTACAGATTATCACTGATTTGGTCAGTTGCTTC 4065
Db 159 GTGAAAATTGATGTGTGTTAAAGAGGGTACAGATTATCACTGATTTGGTCAGTTGCTTC 100
Qy 4066 CAATGCTGGTTGATTTCCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAAA 4125
Db 99 CAATGCTGGTTGATTTCCCTCATTTGTGTT-AACATTTGACAGGTATGTGACAAATGGGAARV 4I
Qy 4126 AAAATCCAAATAAAGTGACATATTTGGTTCAGCAAT 4165
Db 40 RAAABCCAAATAAAGTGACATATTTGGTTCAGCAAT I

RESULT 15

US-09-880-107-I703/c
; Sequence 1703, Application US/09880107
; Patent No. US2002014298IAI
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO I703
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US2002014298IAI D60769
US-09-880-107-1703

Query Match 7.7%; Score 320; DB 9; Length 396;
Best Local Similarity 90.5%; Pred. No. 1.8e-73;
Matches 362; Conservative 21; Mismatches 13; Indels 4; Gaps 4;
Qy 3766 AAACCTACTTACTTGTCTAAACACAGTTACTTGTACCCCTTAACCTGTCTTCAAAAGTTGCA 3825
Db 396 AAACCTACTTACTTGTCTAAACAG-TACTTGTDCCTTAACCTGTCTTCAAAAGGKCA 338
Qy 3826 TATAGTTACAGTAGTGTATATAATTAATATTTGGGAAAAACAGTCTTTGTAATTTTCTGTA 3885
Db 337 TATAGTTACAGTAGTGTATATAATTAATATTTGGG-GAAAACAGTCTTTGTAATTTTCTGTA 279
Qy 3886 TGTGTGTATATATATATATATGTAATTTCTCTGCAATTTCTATCTGTATTTAAAGATCTGA 3945
Db 278 GTGGSVBAGABATATATAAATATGTATGTCTGCGAATDTCTAWCTGTATTTAAAGATGTGR 219
Qy 3946 CAATCTTGACACCAATTTTAAAGATAGCTGTGAGACCGAATTAAGATAATCCCTACCAA 4005
Db 218 CAATCTTGACACCAATTTTAAAGATAGCTGTGAGACCGRATT-AAGATAATCCCTACCAA I60
Qy 4006 GTGAAAATTGATGTGTGTTAAAGAGGGTACAGATTATCACTGATTTGGTCAGTTGCTTC 4065
Db 159 GTGAAAATTGATGTGTGTTAAAGAGGGTACAGATTATCACTGATTTGGTCAGTTGCTTC I00
Qy 4066 CAATGCTGGTTGATTTCCCTCATTTGTGTAACATTTGACAGGTATGTGACAAATGGGAAA 4125
Db 99 CAATGCTGGTTGATTTCCCTCATTTGTGT-AACATTTGACAGGTATGTGACAAATGGGAARV 4I

Qy 4126 AAAATCCAAATAAAGTGACATATTTGGTTCAGCAAT 4165
Db 40 RAAABCCAAATAAAGTGACATATTTGGTTCAGCAAT I
Search completed: August 18, 2005, 06:30:02
Job time : 2462.54 secs

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54020
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54020

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTAGTGATAAAATAATTTGGAAAAACAGCTCTGTGATTTTCTGTA 3885
|||||
Db 285 TATATTTATATATATTTATATATATTTTATATATATTTATATGATGATATTTTATATA 256
QY 3886 TGTGCTGATATATATAATTAATGCTACTTCTGCAATTCCTATCTGTATTTAAAGATGTGA 3945
|||||
Db 225 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTATTTTATTT 166
QY 3946 CAATCTTGACACCAATTTTA 3965
|||||
Db 165 ATATATTTATATATTTTAA 146

RESULT 10

US-09-949-016-54021/c
; Sequence 54021, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54021

; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54021

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTAGTGATAAAATAATTTGGAAAAACAGCTCTGTGATTTTCTGTA 3885
|||||
Db 272 TATATTTATATATATTTATATATATTTTATATATATTTATATGATGATATTTTATATA 213
QY 3886 TGTGCTGATATATATAATTAATGCTACTTCTGCAATTCCTATCTGTATTTAAAGATGTGA 3945
|||||
Db 212 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTATTTTATTT 153
QY 3946 CAATCTTGACACCAATTTTA 3965
|||||
Db 152 ATATATTTATATATTTTAA 133

RESULT 11

US-09-949-016-54022/c
; Sequence 54022, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54022
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54022

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTAGTGATAAAATAATTTGGAAAAACAGCTCTGTGATTTTCTGTA 3885
|||||
Db 267 TATATTTATATATATTTATATATATTTTATATATATTTATATGATGATATTTTATATA 208
QY 3886 TGTGCTGATATATATAATTAATGCTACTTCTGCAATTCCTATCTGTATTTAAAGATGTGA 3945
|||||
Db 207 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTATTTTATTT 148
QY 3946 CAATCTTGACACCAATTTTA 3965
|||||
Db 147 ATATATTTATATATTTTAA 128

RESULT 12

US-09-949-016-54023/c
; Sequence 54023, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54023

; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-54023

Query Match 1.1%; Score 44; DB 4; Length 601;
Best Local Similarity 57.1%; Pred. No. 0.072;
Matches 80; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 3826 TATAGTTACAGTAGTGATAAAATAATTTGGAAAAACAGCTCTGTGATTTTCTGTA 3885
|||||
Db 263 TATATTTATATATATTTATATATATTTTATATATATTTTATATGATGATATTTTATATA 204
QY 3886 TGTGCTGATATATATAATTAATGCTACTTCTGCAATTCCTATCTGTATTTAAAGATGTGA 3945
|||||
Db 203 TTTATATATTTATATATATTTTATATATTTTATATATTTTATATATATTTATTTTATTT 144
QY 3946 CAATCTTGACACCAATTTTA 3965

;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 61868
;; LENGTH: 582
;; TYPE: DNA
;; ORGANISM: Human
US-09-949-016-61868

Query Match 1.1%; Score 45.4; DB 4; Length 582;
Best Local Similarity 58.5%; Pred. No. 0.027;
Matches 79; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
QY 3817 AAGTTGCATATAGTACAGTAGTGATATAAATAAATGTCGAAAAACAGTCTTGTAT 3876
DB 184 ATATTTTAT 125
QY 3877 TTTTCTGTATGTCGTATATATATATATATATATCTCTGGCAATCTATCTGTATTTA 3936
DB 124 ATATATTTAT 65
QY 3937 AAGATGTGACAAATCT 3951
DB 64 TATATATTTATATAT 50

RESULT 7
US-09-949-016-13539/c
;; Sequence 13539, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 13539
;; LENGTH: 314798
;; TYPE: DNA
;; ORGANISM: Human
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)...(314798)
;; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13539

Query Match 1.1%; Score 45.4; DB 4; Length 314798;
Best Local Similarity 58.5%; Pred. No. 2.7;
Matches 79; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
QY 3817 AAGTTGCATATAGTACAGTAGTGATATAAATAAATGTCGAAAAACAGTCTTGTAT 3876
DB 19013 ATATTTTAT 18954

QY 3877 TTTTCTGTATGTCGTAT 3936
DB 18953 ATATATTTAT 18894
QY 3937 AAGATGTGACAAATCT 3951
DB 18893 TATATATTTATATATAT 18879
RESULT 8
US-09-949-016-13432
;; Sequence 13432, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 13432
;; LENGTH: 76553
;; TYPE: DNA
;; ORGANISM: Human
US-09-949-016-13432

Query Match 1.1%; Score 44.8; DB 4; Length 76553;
Best Local Similarity 49.2%; Pred. No. 1.4; Indels 122; Mismatches 0; Gaps 0;
Matches 118; Conservative 0;
QY 3826 TATAGTTACAGTAGTGATATAAATAAATAAATGTCGAAAAACAGTCTTGTATTTTCTGTA 3885
DB 53125 TACAGTGGTGGCATATATTAAGTAATAAATGGTGAATTTTATTTTTCGTTG 53184
QY 3886 TGTGTATATATATATATATATATATGTAATTTCTCTGCGAATTTCTATCTGTATTTAAAGATGTA 3945
DB 53185 TTGGTTTTATCTGTTAGATTTCTCAATTCGAAAAAAGACTGAAATATATAGCAGATTA 53244
QY 3946 CAATCTTGACACCAATTTTAAGATAGCTGTGAGACCGGAATTAAGATATATCCCTACCAA 4005
DB 53245 TATTTGTGAATGAATGCTGTTAAATCCAGATCTCTCAATTTTAAATACCTCTTTCCG 53304
QY 4006 GTGAAAAATTGATGTGTGTTAAGAGGGGTACAGAAATATCAACTGATTTGCTCAGTTGCTTC 4065
DB 53305 CTCGAAGAGAATCTATTTTATAGCCTTCCAGCCTTCCCTTTCCTTGTGATCAACTAGCTC 53364

RESULT 9
US-09-949-016-54020/c
;; Sequence 54020, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012


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Qy 758 GAGGAAGGGAATCTGATGATGAGTTTGACATGATGAGAACTGCTCCCAAGTTGAGC 817
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1417 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1358
Qy 818 AGTTAAAGATGAATATAGCTTCTCCAGGTACAGTTCAAAAAGCTACACCGAGGAAA 877
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1357 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1298
Qy 878 AGTCAGGCGCGGCTCAGCTGAGTAGTTCGAGACCAAGTATGATGATCTGAAAGC 937
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1297 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1238
Qy 938 CGGCGCGGCTCGATAAAGATAGCGGCTTCACTCTCGGACCGGAGGATAGCAGC 997
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1237 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1178
Qy 998 GAGGCGCCCTGCGAGTGGGGATGGCGGGGCGAGCAAGCGAGCAATGCGCAGT 1057
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1177 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1118
Qy 1058 GGAGGGGTGACAAGCCAGCCAGTGAGAAACAATGCTGCTGGGGCAGTCCCTCCAGC 1117
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1117 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1058
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RESULT 4

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US-09-949-016-14876
; Sequence 14876, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 14876
; LENGTH: 16573
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(16573)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14876
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Query Match 1.28; Score 49.8; DB 4; Length 16573;
Best Local Similarity 48.88; Pred. No. 0.017; Mismatches 107; Indels 0; Gaps 0;
Matches 102; Conservative 0;

Qy 3735 AAAAAACATTAAGATAATATTGGACCAACTACTTACTTGTCTCTAAACAGTTACT 3794
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
9766 AAAAAATATAAAAAATATATATATATATATATATATATATATATATATATATATAT 9825
Qy 3795 TGTAACCCCTTAACCTGCTTCAAAAGTTGATAGTACAGTAGTGATATAAATAAATA 3854
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
9826 TATTTAAAAATATATATATATAAATAATATATATATATATATATATATATATATATATA 9885
Qy 3855 TTGTGGAACACAGCTCTGTATTTTCTGTATGCTGATATATATATATATATATATAT 3914
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
9886 ATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT 9945
Qy 3915 CTGCAATCTTATCTGATTAAAGATGT 3943
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
9946 ATATTTAATATATATATATATATATAT 9974
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RESULT 5

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US-09-806-708B-22/c
; Sequence 22, Application US/09806708B
; Patent No. 6784342
; GENERAL INFORMATION:
; APPLICANT: The University of British Columbia
; TITLE OF INVENTION: Regulation of Embryonic Transcription in Plants
; FILE REFERENCE: 4810-58741
; CURRENT APPLICATION NUMBER: US/09/806,708B
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/147,133
; PRIOR FILING DATE: 1999-08-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 1141
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)..(1141)
; OTHER INFORMATION: consensus sequence of A.t., L.a., and B.n. FAEl promoters
US-09-806-708B-22
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Query Match 1.18; Score 46; DB 4; Length 1141;
Best Local Similarity 10.18; Pred. No. 0.03; Mismatches 238; Indels 1; Gaps 1;
Matches 50; Conservative 206;

Qy 3646 TGAGTGGTGCTTACTCTTTTATAGTGAATGATGTCATGTCATGTTTGTATGTCATA 3705
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
655 TNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 596
Qy 3706 GTATGTGTCACATAAAAGGAGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3765
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
595 VMMYANMRCRDVYTYRNNYCKSYAHSYVWNSNNAMVRRYSARNWSSMARWTTTRNNW 536
Qy 3766 AAACCTACTTACTTCTTAAACAGTTACTTGTACCCCTTAAACCTGCTTCAAAAGTTGCA 3825
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
535 MSGBVMRWAGTMMWRHNNNNNTDTRYMMWRKWARBTITTVYDSMCMNAKSMWRGNWRAM 476
Qy 3826 TATAGTTACAGTAGTGTATAAATAATTTGGGAAACACAGCTCTTGTATTTTCTGTA 3885
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
475 KMWAANNAGANDHWTYWGNNNTMMWRRAKMMNAWCERAYCCNNNNNNRACVWHKHKM 416
Qy 3886 TGTGTGTATATATATATATATATATATATATATATATATATATATATATATATAT 3945
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
415 WRWTWKYM-WKAAACNNNNKAMTMRVAMWMSYRDTTNTDMMWTSDBWHWYTDVYTMWR 357
Qy 3946 CAATCTTGACCAATTTTAAGATAGCTGTGAGACCGAATTAAGATATATCCCTACCAA 4005
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
356 AMNNNNNNNNRBCKTTSSMMWMDHNNTHCTYGNNTWGSAYBMAAMSMAAGASNBVTYNW 297
Qy 4006 GTCAAAATTCATGTGTTAAGAGGATACAGATATTAATCACTGATTTGGTCAGTTGCTTC 4065
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
296 CWRMTTNGKMTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 237
Qy 4066 CAATGCTGTTGATTTCCCTCATTTGTGTAACCAATTCAGCAGGTATGTGACAAATGGGAAA 4125
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
236 YMGKHHBWRRAABHBSNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 177
Qy 4126 AAAATCCAAATAATA 4140
Db : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
176 HWCATNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 162
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RESULT 6

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US-09-949-016-61868/c
; Sequence 61868, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
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Db 449 KWKANNCKWRAMDHKTCTHNTT--WWKMKTYWNNCYWKSMTNGKSHRBAAAVYTWYMW 506
Qy 3699 TGTCATAGTATGTCGTCACATAAAAGGAGGAGCGAAACCCATTACATTAAGATAATA 3758
Db 507 WRYAHANNNDYWKACTYKYBVCWKNNYAAWYTKSSWNYTSRYRWKTNNSRW 566
Qy 3759 TTGGACCAAACTACTTCTCTAAACAGTTTACTTGTCACCCCTTAACCTGTCCTTCAA 3818
Db 567 RSDTRSMGRANNYARABHYGYKNTWRBWSHTMBHBRAGAAYHWMYBAKCHCKAW 626
Qy 3819 AGTTGCATATAGTACAGTAGCTATATAAATAAATTTGTTGGAACACAGCTCTGTATT 3878
Db 627 YKAKYAGAGGSSNN 686
Qy 3879 TTCTGTATGTCGTAT 3938
Db 687 YYTHANNWGCWNAADTRTWKNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 746
Qy 3939 GATGTCACAACTTGACACCAATTTTAAAGAAATAGCTGTGACACCGAATTAAGATAAT 3998
Db 747 KHRWANKWAMRGWADAAABTTDKRNGAYTKYTTNNNNNTYRGVVTNTAARDGWANN 806
Qy 3999 CTACCAAGTGAATATGATGTCGTTAAGAGGTCACAGATATCACTGATGTCAG 4058
Db 807 NNNNNNNNNNGSDMMVVTWYAYNTGTNNNNNNNNNNNNNNNNNNNNNNNNNNNN 866
Qy 4059 TTGCTTCCATGCTGTTGATTTCCCTCATTGTTGTAACATTCACAGGATGTCGACAA 4118
Db 867 NNN 926
Qy 4119 GGGAAAAAATCCAAATAATAAGTGACATATGG 4154
Db 927 KTKYBHAAWNNNNNGKMCATHTWVCKATKTKG 962

RESULT 2
US-09-949-016-15061
; Sequence 15061, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15061
; LENGTH: 17612
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15061

Query Match 1.3%; Score 52.4; DB 4; Length 17612;
Best Local Similarity 45.6%; Pred. No. 0.0031;
Matches 185; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

Qy 3511 TTCAATGCTTTTATATTCAGATGATATATATATATATATATATATATATATATATAT 3570
Db 4916 TTTTATTTATATGTAATGATATATATATATATATATATATATATATATATATATAT 4975
Qy 3571 ACCATTTATCTGCATAGCTGATATATAGCTTTAGTTGTTGACCTTACCTTGGGT 3630
Db 4976 TATATTTATTTTAT 5035
Qy 3631 ATACAAATGTCAGTGTGAGTGTCTTACTCTCTTTTATTAAGTGAATGATTTGTCAT 3690

Db 5036 ATATAAATATAGCTATTATATAATATATATATATATATATATATATATATATATATAT 5095
Qy 3691 GTTTTGTATGTCATAGTATGTCACATAAAGGAGGAGCGGAAACCAATTAATTA 3750
Db 5096 ATATAAATATAAATAATATACATATATTTAAATACATATATTTAAATAAATAATAC 5155
Qy 3751 AGATAATATGACCAAACTACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3810
Db 5156 ATATATTTAAATAAATAATATATATATATATATATATATATATATATATATATAT 5215
Qy 3811 TCTTCAAAAGTTGCATATAGTTACAGTAGTGTATATAAATTTAAATATTTGCGAAAAACAGTC 3870
Db 5216 TATATATATATATGATGTTTATTTTACATATATAAATATATATATATATATATATACG 5275
Qy 3871 TTGTTATTTTCTGATGTCGTATATATATATATATATATATATATATATATATAT 3916
Db 5276 TATATTTATTTTATATATATATATATGTTGTTGTTATATATATATATATATAT 5321

RESULT 3
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, P.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: PTZ9pt-F1s
US-08-232-463-14

Query Match 1.2%; Score 50; DB 1; Length 7218;
Best Local Similarity 1.4%; Pred. No. 0.008;
Matches 5; Conservative 215; Mismatches 140; Indels 0; Gaps 0;

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues
Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	52.4	1.3	17612	4	US-09-949-016-15061
3	50	1.2	7218	1	US-08-232-463-14
C	49.8	1.2	16573	4	US-09-949-016-14876
C	46	1.1	1141	4	US-09-806-708B-22
C	45.4	1.1	582	4	US-09-949-016-61868
C	45.4	1.1	314798	4	US-09-949-016-13539
8	44.8	1.1	76553	4	US-09-949-016-13432
C	44	1.1	601	4	US-09-949-016-54020
C	44	1.1	601	4	US-09-949-016-54021
C	44	1.1	601	4	US-09-949-016-54022
C	44	1.1	601	4	US-09-949-016-54023
C	44	1.1	601	4	US-09-949-016-54024
C	44	1.1	601	4	US-09-949-016-108654
C	44	1.1	601	4	US-09-949-016-108655
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C	44	1.1	601	4	US-09-949-016-108657
C	44	1.1	601	4	US-09-949-016-108658
C	44	1.1	832	4	US-09-621-976-2813
C	44	1.1	104520	4	US-09-949-016-13303
C	44	1.1	126029	4	US-09-949-016-14731
C	43.8	1.1	150032	4	US-09-949-016-14321
C	43.4	1.0	86857	4	US-09-949-016-14688
C	43.4	1.0	786431	4	US-09-751-389-3
C	43.2	1.0	1170	4	US-09-248-796A-9079
C	43	1.0	16573	4	US-09-949-016-14876
C	42.8	1.0	832	4	US-09-621-976-2813

28	42.8	1.0	56678	4	US-09-949-016-17453	Sequence 17453, A
C	42.4	1.0	107800	4	US-09-949-016-13118	Sequence 13118, A
30	42.4	1.0	112507	4	US-09-949-016-12420	Sequence 12420, A
31	42.4	1.0	112507	4	US-09-949-016-12794	Sequence 12794, A
32	42.4	1.0	112508	4	US-09-949-016-16589	Sequence 16589, A
33	42.4	1.0	112508	4	US-09-949-016-16590	Sequence 16590, A
C	42.4	1.0	116425	4	US-09-949-016-11809	Sequence 11809, A
C	42.4	1.0	187169	4	US-09-949-016-12776	Sequence 12776, A
C	42.4	1.0	191569	4	US-09-949-016-15940	Sequence 15940, A
C	42.4	1.0	197875	4	US-09-949-016-15425	Sequence 15425, A
C	42.2	1.0	72742	4	US-09-949-016-16161	Sequence 16161, A
39	42.2	1.0	96922	4	US-09-949-016-17061	Sequence 17061, A
C	42	1.0	477	4	US-09-621-976-13754	Sequence 13754, A
C	42	1.0	17082	4	US-09-949-016-14893	Sequence 14893, A
C	42	1.0	19124	2	US-08-487-826B-13	Sequence 13, Appl
C	42	1.0	19438	4	US-09-949-016-12899	Sequence 12899, A
C	42	1.0	134987	4	US-09-949-016-15348	Sequence 15348, A
C	42	1.0	134987	4	US-09-949-016-15349	Sequence 15349, A

ALIGNMENTS

RESULT 1

US-09-806-708B-22
; Sequence 22, Application US/09806708B
; Patent No. 6784342
; GENERAL INFORMATION:
; APPLICANT: The University of British Columbia
; TITLE OF INVENTION: Regulation of Embryonic Transcription in Plants
; FILE REFERENCE: 4810-58741
; CURRENT APPLICATION NUMBER: US/09/806,708B
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/147,133
; PRIOR FILING DATE: 1999-08-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 1141
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)-(1141)
; OTHER INFORMATION: Consensus sequence of A.t., L.a., and B.n. FAEL promoters
US-09-806-708B-22

Query Match	1.3%	Score 56.2	DB 4	Length 1141
Best Local Similarity	11.8%	Pred. No. 3.3e+05		
Matches	96	Conservative 285	Mismatches 433	Indels 2
Gaps	1			
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Db	149	WTTTMMDDKDKRKTWWKKNNATGDDDDTKYHMNNNGCBTVTWVRYKTRDWSBKR	208	
Qy	3399	ATTGGCAATAAATCTTTGTTCGACGTGTTTCCAGCAGTGTAAATCTTTCTCTGTG	3458	
Db	209	MNYGMBWKKWNSYDVITYYVWVDDMKRKYRVRVTRGRMRYNVAMBTAAHRRYNNNGWT	268	
Qy	3459	ATTATGTATAGCTTGGATGGACCTTTTAACTAACCCATATGCTGTTGGTTTCAATGG	3518	
Db	269	BAMAYRWTTNNNNNNNAKMKRKYWGNRABVNSTCTTWKSKTTKVRTSWANNCRAG	328	
Qy	3519	TTTTTTTATATTCAGATGTATATAGTGTCTCATTAGGATCAGAGTGTGACCATTTA	3578	
Db	329	DANKDKHKKWSAAMGVYNNNNNNNTYKKAHBAWDMVWHSANKWKHANAHSRKK	388	
Qy	3579	TGCTGCATAGCTGTATATAGCCTTATTAGTTGTGTTGACCTTGGGGTATACAAAT	3638	
Db	389	WTBYKRTVNNNNNGTTMMKRWMAWYKMDMDWBGYNNNNNGRTYYGTTKKKKMYY	446	
Qy	3639	GTGAGTCTGAGTGGTCTTACTCTCTTTTATAAGTGAATGATGTGTCATGTTTGTGA	3698	

Db	3961	CCAGAAGGATGAATACTTGGATATTACTCAAAAGGGAGGGGTGGAGATGGGTGTGGCAGTG	4020
Qy	4023	TATGGTGTGTGATTTTCTTCTTTGGTCATGGGGCCAAAGGAGAAAGGCATGAAT	4082
Db	4021	TATGGTGTGTGATTTTCTTCTTTGGTCATGGGGCCAAAGGAGAAAGGCATGAAT	4080
Qy	4083	CTTCCCTGTCAGGC	4096
Db	4081	CTTCCCTGTCAGGC	4094

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Job time : 2480.46 secs

1803 AGTTCGCCGTTTAAAGACTCATTAAGTCTGTGTGACTCTCGGTGAGTCCCTTAAACCCCTCTGA 1862
1801 AGTTCGCCGTTTAAAGACTCATTAAGTCTGTGTGACTCTCGGTGAGTCCCTTAAACCCCTCTGA 1860
1863 GCCCGGTCTCTTCATTAGTTGAAAGGATAGTAATACCTACTTGCAGGTTGTGTGATC 1922
1861 GCCCGGTCTCTTCATTAGTTGAAAGGATAGTAATACCTACTTGCAGGTTGTGTGATC 1920
1923 TGAGTTGAGCACTGGTCAATTAAGAGTCTGGTAAAGTGGTAGCTCTTGTGTGTTCCCG 1982
1921 TGAGTTGAGCACTGGTCAATTAAGAGTCTGGTAAAGTGGTAGCTCTTGTGTGTTCCCG 1980
1983 TTCAAGCTCACATCTGCAGTGGAGCCTGAAAGGCTCCACATTAGGTCACTGTGCACAG 2042
1981 TTCAAGCTCACATCTGCAGTGGAGCCTGAAAGGCTCCACATTAGGTCACTGTGCACAG 2040
2043 CCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCCCTGCCATCGCCTCCATCAGCC 2102
2041 CCATGGCTGGAATGATGAAGGGGATACGCTGGAGTTGCCCCCTGCCATCGCCTCCATCAGCC 2100
2103 AGAGGAGTCTCACAGGAAGAGCAGCTCTTCCCAACCTGGGATCTCAGAGGGCAG 2162
2101 AGAGGAGTCTCACAGGAAGAGCAGCTCTTCCCAACCTGGGATCTCAGAGGGCAG 2160
2163 CCACGAGTGGGAGGCCCCAGATGGCTGTGCCAAAGCCAGGTCCGAGGCCAAAGTTCT 2222
2161 CCACGAGTGGGAGGCCCCAGATGGCTGTGCCAAAGCCAGGTCCGAGGCCAAAGTTCT 2220
2223 CCCTGCCATCTTTGGTGCCTGCTGCCCTTCTCTCTTCATATGCTGGGCCCTCAGGGCCCA 2282
2221 CCCTGCCATCTTTGGTGCCTGCTGCCCTTCTCTCTTCATATGCTGGGCCCTCAGGGCCCA 2280
2283 CCCAGCCACACTGAGTCCACTCGGAGTGCCTGTCTTCTCGAGAGGCAATTCAGGG 2342
2281 CCCAGCCACACTGAGTCCACTCGGAGTGCCTGTCTTCTCGAGAGGCAATTCAGGG 2340
2343 TTCAATCTTGTCCAGCCTCAGCTGGACACTAGGTGGAGAGTGGTCTCGCTCTG 2402
2341 TTGAACTTGTCTCCAGCCTCAGCTGGACACTAGGTGGAGAGTGGTCTCGCTCTG 2400
2403 AATTGGATCAGGGGACCTGGGCTCAATTTCTTTGGCTCAACCAACCTCGAGGCCCTCATC 2462
2401 AATTGGATCAGGGGACCTGGGCTCAATTTCTTTGGCTCAACCAACCTCGAGGCCCTCATC 2460
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2701 AGCTCAGAGAAAGTTCATTTCCGTTCCAGAGGGAAGGAACTCCCTAGGTCCTTCCCT 2760
2763 GGCTTGTATAACGCAAGCTTGGTTGTTTATGCACTCTATCTTAAGAACTGCCAGGCC 2822
2761 GGCTTGTATAACGCAAGCTTGGTTGTTTATGCACTCTATCTTAAGAACTGCCAGGCC 2820
2823 TCAGCTGAAACCCGAAATCTGAGAAAGAAATTCGTCATGTAAAGGAGCTGGAATTAAGG 2882
2821 TCAGTTGGAAACCCGAAATCTGAGAAAGAAATTCGTCATGTAAAGGAGCTGGAATTAAGG 2880

QY 2883 GAGCTGAGCCAGTCAATGGTTGTGGCTGTGAGTCAGGAGACCTAGGTTTTCAGCCCTCTC 2942
DB 2881 GAGCTGAGCCAGTCAATGGTTGTGGCTGTGAGTCAGGAGACCTAGGTTTTCAGCCCTCTC 2940
QY 2943 TACTGTGAGCGAGCTGTGCAACCTGGGCAAGTCAATTTCTCTGAGCTGAGTTTCTCTCA 3002
DB 2941 TACTGTGAGCGAGCTGTGCAACCTGGGCAAGTCAATTTCTCTGAGCTGAGTTTCTCTCA 3000
QY 3003 TCTGTACATCGCTACAGACAAGACCTCCCTCGGAAACCTTCTGATTTCTTACACACTGT 3062
DB 3001 TCTGTACATCGCTACAGACAAGACCTCCCTCGGAAACCTTCTGATTTCTTGGACACTGT 3060
QY 3063 GGTTCAAACCAACCAAGAGCCCTCAATTTCTGTGAAAGTCAAGGAAAGTCAATCCAGT 3122
DB 3061 GGTTCAAACCAACCAAGAGCCCTCAATTTCTGTGAAAGTCAAGGAAAGTCAATCCAGT 3120
QY 3123 GGCACCTTGGGGATTATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGCCAGCTCCCA 3182
DB 3121 GGCACCTTGGGGATTATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGCCAGCTCCCA 3180
QY 3183 TCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTGTCTATTCAG 3242
DB 3181 TCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTGTCTATTCAG 3240
QY 3243 GTGCCAGAAATCTCTCAGAGTCAATTCGAAGGCTGTTCACCCCATCCCAACCCCAAGGCTTGGCA 3302
DB 3241 GTGCCAGAAATCTCTCAGAGTCAATTCGAAGGCTGTTCACCCCATCCCAACCCCAAGGCTTGGCA 3300
QY 3303 CACTGCCAGTGTCTTAGCAGGCTTGTGTGAGGCTTGGGGCATCCAGGCACTCAGAAGGC 3362
DB 3301 CACTGCCAGTGTCTTAGCAGGCTTGTGTGAGGCTTGGGGCATCCAGGCACTCAGAAGGC 3360
QY 3363 AAAGGAACCACTATCCCATTTTGGCTCTGGAGGGGGCAGAAAGAAAGAAACCTCAT 3422
DB 3361 AAAGGAACCACTATCCCATTTTGGCTCTGGAGGGGGCAGAAAGAAAGAAACCTCAT 3420
QY 3423 CCTATATTTTACAAAGCATGTGAATTTCTGSCATTTAGCTCTCATAGAGAGCCCATGTGCTT 3482
DB 3421 CCTATATTTTACAAAGCATGTGAATTTCTGSCATTTAGCTCTCATAGAGAGCCCATGTGCTT 3480
QY 3483 CCTTGTCTAGTCAGAACTGATGATTTCTACTTCTGTAGATGAATGGTTTAAACGAGCTA 3542
DB 3481 CCTTGTCTAGTCAGAACTGATGATTTCTACTTCTGTAGATGAATGGTTTAAACGAGCTA 3540
QY 3543 GTTAAACAGTGCATTTTGGCAGTGAAGCTCCAAACCTTAAGCACTGGGACGGTGG 3602
DB 3541 GTTAAACAGTGCATTTTGGCAGTGAAGCTCCAAACCTTAAGCACTGGGACGGTGG 3600
QY 3603 CCAGAGATGCCAGACCTCTGTGCGCTTTAGTCATATAACCAAAATCCAGACCTTATCC 3662
DB 3601 CCAGAGATGCCAGACCTCTGTGCGCTTTAGTCATATAAGCAAAATCCAGACCTTATCC 3660
QY 3663 ACAACCCGGGGCTTGGAAAGGAGTATTTTGGAAATCACACCTCCGGTTTATGTGTCTCC 3722
DB 3661 ACAACCCGGGGCTTGGAAAGGAGTATTTTGGAAATCACACCTCCGGTTTATGTGTCTCC 3720
QY 3723 AGTAAATCTTGTGCTGGAAAGGAGCTCTTCTTAGCATGTGTGAGCTGATGCTTATGCTT 3782
DB 3721 AGTAAATCTTGTGCTGGAAAGGAGCTCTTCTTAGCATGTGTGAGCTGATGCTTATGCTT 3780
QY 3783 TTTTGTGTAGCAGTCCCTGCTCCCTGGCCATCCATGTGATGGTTTTCGATGGAGTTAACT 3842
DB 3781 TTTTGTGTAGCAGTCCCTGCTCCCTGGCCATCCATGTGATGGTTTTCGATGGAGTTAACT 3840
QY 3843 TGAATGCCAGTGGGCACTGATGTGAAAGTATCAGAGTAAGCCTCTCTCCCTCCAGAGCCC 3902
DB 3841 TGAATGCCAGTGGGCACTGATGTGAAAGTATCAGAGTAAGGCTCTCTCCCTCCAGAGCCC 3900
QY 3903 TGAATTTCTTGTGCTGATGAAGGTTTTCTTTAGAAATCAGAAATGTGATCAGCAAGTTTCTTGG 3962
DB 3901 TGAATTTCTTGTGCTGATGAAGGTTTTCTTTAGAAATCAGAAATGTGATCAGCAAGTTTCTTGG 3960
QY 3963 CCAGAGGATGAATATCTTGGATATTAATCTGAAGGGGGTGGAGATGGGTGGGCGATG 4022

QY 2221 CTCCTGCGATCTTGTGCGTCTCTGCCCCCTTCTCTCTTCAATGCCCTGGGCTTCAGGCC 2280
DB 2204 CTCCTGCGATCTTGTGCGTCTCTGCCCCCTTCTCTCTTCAATGCCCTGGGCTTCAGGCC 2263
QY 2281 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCTGTGTCTTGGAGAGGCAATCCAG 2340
DB 2264 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCTGTGTCTTGGAGAGGCAATCCAG 2323
QY 2341 GGTGGAATCTTGTCCCGAGCTCAGCTCGGACACTAGGTGGAGAGTGTCTCCGCTC 2400
DB 2324 GGTGGAATCTTGTCCCGAGCTCAGCTCGGACACTAGGTGGAGAGTGTCTCCGCTC 2383
QY 2401 TGAATTGGATCCAGGGACCTGGGCTCAATCTTCTGGCTCACCAACCTTCGAGGCCCTCA 2460
DB 2384 TGAATTGGATCCAGGGACCTGGGCTCAATCTTCTTCTTCTGCTCACCAACCTTCGAGGCCCTCA 2443
QY 2461 TCTTTCCAAAAACCACTTTGTCTTGTGGAGTGGGTCCGCTGTCTCTGCGACAGGGG 2520
DB 2444 TCTTTCCAAAAACCACTTTGTCTTGTGGAGTGGGTCCGCTGTCTCTGCGACAGGGG 2503
QY 2521 CTGGGAGTGGACAGCATCAGTGGGAAAGTGGAGTCCACCTCATGTCTGTAGGATT 2580
DB 2504 CTGGGAGTGGACAGCATCAGTGGGAAAGTGGAGTCCACCTCATGTCTGTAGGATT 2563
QY 2581 CTCACCTGGGCTGGAGAAAGAGCATCGACTTGAATTTCTCAACCACTCATCCCTCT 2640
DB 2564 CTCACCTGGGCTGGAGAAAGAGCATCGACTTGAATTTCTCAACCACTCATCCCTCT 2623
QY 2641 TTTTCTTTCTTCCACTCCCCACTGTTAGTTAAATTTCAAGTGCCTTCAAAATCC 2700
DB 2624 TTTTCTTTCTTCCACTCCCCACTGTTAGTTAAATTTCAAGTGCCTTCAAAATCC 2683
QY 2701 TAAGCTCAGAGAAAGTTCGATTTCCGTTCCAGAGGAGGAACTCCCTAGGTCCTTCC 2760
DB 2684 TAAGCTCAGAGAAAGTTCGATTTCCGTTCCAGAGGAGGAACTCCCTAGGTCCTTCC 2743
QY 2761 CTGGCTGTTTATAACGCAAGCTTGGTTTATGCAACTCTATCTTAAAGAACTGCCAG 2820
DB 2744 CTGGCTGTTTATAACGCAAGCTTGGTTTATGCAACTCTATCTTAAAGAACTGCCAG 2803
QY 2821 CCTCAGCTGAAACCCGAATCTGAGAGGAATTCGTCATGTAAAGGAAGCTGGAAATTA 2880
DB 2804 CCTCAGCTGAAACCCGAATCTGAGAGGAATTCGTCATGTAAAGGAAGCTGGAAATTA 2863
QY 2881 GGGAGCTGAGCCAGTCAATGTTGTGGCTGTGAGTCAGGAGACCTAGGTTTCAGCCCTC 2940
DB 2864 GGGAGCTGAGCCAGTCAATGTTGTGGCTGTGAGTCAGGAGACCTAGGTTTCAGCCCTC 2923
QY 2941 TCTACTGTGAGCGAGCTGTCAACGTTGGGCAAGTCAATGTCTCTGAGCTGCAGTTTCT 3000
DB 2924 TCTACTGTGAGCGAGCTGTCAACGTTGGGCAAGTCAATGTCTCTGAGCTGCAGTTTCT 2983
QY 3001 CATCTGTACATCGCTACAGACAAGACCTCCCTGGAAACCTTCTGATTTGCTTAGACACT 3060
DB 2984 CATCTGTACATCGCTACAGACAAGACCTCCCTGGAAACCTTCTGATTTGCTTAGACACT 3043
QY 3061 GTGGTTGCAAAACCCAGGAAAGCTCATTTGTGTGGAAGTCAAGGAAAAATGATCCA 3120
DB 3044 GTGGTTGCAAAACCCAGGAAAGCTCATTTGTGTGGAAGTCAAGGAAAAATGATCCA 3103
QY 3121 GTGGACACTTTGGGATTTATCTGTCAATTCAGATCTTCTTCAACCCCAAGGCCAGTCC 3180
DB 3104 GTGGACACTTTGGGATTTATCTGTCAATTCAGATCTTCTTCAACCCCAAGGTCAGTCC 3163
QY 3181 CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTGTCAATTC 3240
DB 3164 CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTGTCAATTC 3223
QY 3241 AGGTGCCAGAACTCTCAGAGTCATTTGAAGGTTGTACCCATCCCAACCAAGGCTTGG 3300
DB 3224 AGGTGCCAGAACTCTCAGAGTCATTTGAAGGTTGTACCCATCCCAACCAAGGCTTGG 3283

QY 3301 CACATCGCAGTGTCTTAGCAGGCTCTTGTGAGGCTGGGGCATCCAGGCACTCAGAAG 3360
DB 3284 CACATCGCAGTGTCTTAGCAGGCTCTTGTGAGGCTGGGGCATCCAGGCACTCAGAAG 3343
QY 3361 GCAAGGAAACCACTTACCACTTTGGCTCTGAGGGGGCAGAGAAAGAAACCTC 3420
DB 3344 GCAAGGAAACCACTTACCACTTTGGCTCTGAGGGGGCAGAGAAAGAAACCTC 3403
QY 3421 ATCTCTATTTTACAAAGCATGTGAATTTCTGCGCATTTAGCTCTCATAGGAGCCCATGTC 3480
DB 3404 ATCTCTATTTTACAAAGCATGTGAATTTCTGCGCATTTAGCTCTCATAGGAGCCCATGTC 3463
QY 3481 TTCTCTGCTCAGTGCAGAACTGATGATTTCTTGTGTAGATGAATGGTTAAACAGG 3540
DB 3464 TTCTCTGCTCAGTGCAGAACTGATGATTTCTTGTGTAGATGAATGGTTAAACAGG 3523
QY 3541 TAGTTAAACAGTGCCATTTGTTTCCAGTGAAGCTCCAAACCTTAAGCCACTGGGACGT 3600
DB 3524 TAGTTAAACAGTGCCATTTGTTTCCAGTGAAGCTCCAAACCTTAAGCCACTGGGACGT 3583
QY 3601 GGCAGAGATGCGCAGAGCTCTGTGCGCTTGTATCATATAACCAAAATCCAGACCTTAT 3660
DB 3584 GGCAGAGATGCGCAGAGCTCTGTGCGCTTGTATCATATAACCAAAATCCAGACCTTAT 3643
QY 3661 CCACAAACCCGGGCTTGGAAAGGAAGTATTTTGGAAATCACACCTCCGGTTATGTCT 3720
DB 3644 CCACAAACCCGGGCTTGGAAAGGAAGTATTTTGGAAATCACACCTCCGGTTATGTCT 3703
QY 3721 CCAGTAAATCTTGCCTGGAAAGGAGCAGTCTTTCTAGCATGTGTGAGTTCATGTC 3780
DB 3704 CCAGTAAATCTTGCCTGGAAAGGAGCAGTCTTTCTTAGCATGTGTGAGTTCATGTC 3763
QY 3781 TTTTCTTTGTAGCCAGTCTGCTCCCTGCGCATCCATGTGATGTTTGGATGAGTTAAA 3840
DB 3764 TTTTCTTTGTAGCCAGTCTGCTCCCTGCGCATCCATGTGATGTTTGGATGAGTTAAA 3823
QY 3841 CTGTATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAGCTCTCCCTCCAGAGC 3900
DB 3824 CTGTATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAGCTCTCCCTCCAGAGC 3883
QY 3901 CTGTAGTTCTTGGCTGCATGAAGTTTCTTTAGAAATCAGAAATGTAGCCAGTTCTTT 3960
DB 3884 CTGTAGTTCTTGGCTGCATGAAGTTTCTTTAGAAATCAGAAATGTAGCCAGTTCTTT 3943
QY 3961 GGCAGAGGATGAATCTTGGATATTTCTGGAAGGAGGGGTGGAGATGGGTGTGGCAG 4020
DB 3944 GGCAGAGGATGAATCTTGGATATTTCTGGAAGGAGGGGTGGAGATGGGTGTGGCAG 4003
QY 4021 TGTATGTTGTGTGATTTTATTTTCTTTTGTCTATGTTGGGCAAGGAGAAAGGATGA 4080
DB 4004 TGTATGTTGTGTGATTTTATTTTCTTTTGTCTATGTTGGGCAAGGAGAAAGGATGA 4063
QY 4081 ATCTTCCCTGTCTAGGCTCTTACAGCCAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4140
DB 4064 ATCTTCCCTGTCTAGGCTCTTACAGCCAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4123
QY 4141 CCGTGGCTGTGGGGCGCTGCTTCTTGTAAATAAAAGTGGCCTGG 4187
DB 4124 CCGTGGCTGTGGGGCGCTGCTTCTTGTAAATAAAAGTGGCCTGG 4170

RESULT 15

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; Sequence 3, Application US/10857942

; Publication No. US20050004065A1

; GENERAL INFORMATION:

; APPLICANT: EINAT, Paz

; APPLICANT: FEINSTEIN, Elena

; APPLICANT: SKALITER, Rami

; TITLE OF INVENTION: HYPOXIA REGULATED GENES

; FILE REFERENCE: FEINSTEIN=5.1B

; CURRENT APPLICATION NUMBER: US/10/857,942

; CURRENT FILING DATE: 2004-06-02

Db	37	GGCGGAAACCGCAGCGCTTACGCGCGCGCGCGCACCATGAGACCGCGCGTGTGCGTGG	96
Qy	61	CCGTGTGCGCGCTGCTCTTCCTGCTGTGTGGGTGCGCCTGAAAGGGGCTGTGGAGTTCGTGCTCA	120
Db	97	CCGTGTGCGCGCTGCTCTTCCTGCTGTGTGGGTGCGCCTGAAAGGGGCTGTGGAGT	147
Qy	121	TCCACCAGCGCTGGGTGTTCGTGTGCCCTCTTCCTCTCGCGCTCTCGCTTATCTTCGATA	180
Db	148	-----TCGTTATCTTCGATA	163
Qy	181	TCTACTACTAGTGTGGCGCCTGGGTGTGTTCAAGCTCAGCAGGGCTCCGCGCTGCGACG	240
Db	164	TCTACTACTAGTGTGGCGCCTGGGTGTGTTCAAGCTCAGCAGGGCTCCGCGCTGCGACG	223
Qy	241	AGCAGCGGTGCGGGACATCCAGAAGCAGGTGCGGNAATGGAAGGAGCAGGGTAGCAAGA	300
Db	224	AGACGCGGTGCGGGACATCCAGAAGCAGGTGCGGNAATGGAAGGAGCAGGGTAGCAAGA	283
Qy	301	CCTTTATGTGCACGGGCGCCTGGCTGGCTCATCTGTCTCACTACGTGTGCGGAAGTACA	360
Db	284	CCTTTATGTGCACGGGCGCCTGGCTGGCTCATCTGTCTCACTACGTGTGCGGAAGTACA	343
Qy	361	AGAAACACACAAAAACATCATGATCAAACTGATGGAATCTGTGGAAGTGGACACCAACA	420
Db	344	AGAAACACACAAAAACATCAATGATCAAACTGATGGAATCTGTGGAAGTGGACACCAACA	403
Qy	421	AACAGATTGTCGTGTGGAGCCCTTGGTGACCATGSGCCAGGTGACTGCCCTCTGACCT	480
Db	404	AACAGATTGTCGTGTGGAGCCCTTGGTGACCATGSGCCAGGTGACTGCCCTCTGACCT	463
Qy	481	CCATTGGCTGGACTCTCCCGTGTGCTCAGCTTCAATGACCTCACAGTGGGGGCTTCA	540
Db	464	CCATTGGCTGGACTCTCCCGTGTGCTCAGCTTCAATGACCTCACAGTGGGGGCTTCA	523
Qy	541	TCATGGGCAAGGATCGAGTCATATCCACAAGATAGGCGCTGTTCCAAACATCTGCA	600
Db	524	TCATGGGCAAGGATCGAGTCATATCCACAAGATAGGCGCTGTTCCAAACATCTGCA	583
Qy	601	CTGCTTACGAGCTGGTCTCGGCTGATGCGAGCTTTGTGCGATGCACTCCGTCGGAACCT	660
Db	584	CTGCTTACGAGCTGGTCTCGGCTGATGCGAGCTTTGTGCGATGCACTCCGTCGGAACCT	643
Qy	661	CAGACCTGTTCTATGCCGTACCCCTGGTCTCTGTGGAGCGCTGGGTTCCTGCTGGCGCGCTG	720
Db	644	CAGACCTGTTCTATGCCGTACCCCTGGTCTCTGTGGAGCGCTGGGTTCCTGCTGGCGCGCTG	703
Qy	721	AGATTCGCGATCAATCCCTGCGCAAGATGACGTCAAGCTGCTTCCAGCCAGTGGCGGCGC	780
Db	704	AGATTCGCGATCAATCCCTGCGCAAGATGACGTCAAGCTGCTTCCAGCCAGTGGCGGCGC	763
Qy	781	TGGAGGCTATCTGTGCCAAGTTCACCCAGTCCAGCGCGCAGGAGAACCACTTCGTGG	840
Db	764	TGGAGGCTATCTGTGCCAAGTTCACCCAGTCCAGCGCGCAGGAGAACCACTTCGTGG	823
Qy	841	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATATGACAGGGGTCAATGACAGATGAGG	900
Db	824	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATATGACAGGGGTCAATGACAGATGAGG	883
Qy	901	CAGAGCCAGCAAGCTGAAATAGCAATGGCAATTAATAAAGCGGTGTTCTTTAAGCATG	960
Db	884	CAGAGCCAGCAAGCTGAAATAGCAATGGCAATTAATAAAGCGGTGTTCTTTAAGCATG	943
Qy	961	TGGAGTAATCTGAAGACAAAACGAGAGCGCCTGGAGTACATTCCTCTCAGACACTACT	1020
Db	944	TGGAGTAATCTGAAGACAAAACGAGAGCGCCTGGAGTACATTCCTCTCAGACACTACT	1003
Qy	1021	ACCACGCCACACGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCTTTGGCAACA	1080
Db	1004	ACCACGCCACACGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCTTTGGCAACA	1063
Qy	1081	ACCCATCTTTTCGCTACTCTTTTGGCTGGATGGTGGCTCCCAAGATCTCCCTCTGGAAGC	1140

1064	Db	ACCCATCTTCGCTACCTCTTTGGCTGGATGGTGCTCCCAAGATCTCCTCCTGAAGC	1121
1141	Qy	TGACCCAGGGTGAGACCCCTGCGCAAGCTCTACGAGCAGCACCACTGGTGGTGCAGGACATGC	1200
1124	Db	TGACCCAGGGTGAGACCCCTGCGCAGCTGTACGAGCAGCACCACTGGTGGTGCAGGACATGC	1183
1201	Qy	TGGTGCCCATGAAGTGCCTGCGAGCAGGCCCTGCAACACTTTCMAAAGCATCCAGTCT	1260
1184	Db	TGGTGCCCATGAAGTGCCTGCGAGCAGGCCCTGCAACCTTTCMAAAGCATCCAGTCT	1243
1261	Qy	ACCCATCTTGGCTGTGTCGTTCACTCTGCCAGCCAGCCAGGCTAGTGCAACCCCAAAG	1320
1244	Db	ACCCATCTTGGCTGTGTCGTTCACTCTGCCAGCCAGCCAGGCTAGTGCAACCCCAAAG	1303
1321	Qy	GAATGAGCAGAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGTGTGAACACT	1380
1304	Db	GAATGAGCAGCAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGTGTGAACACT	1363
1381	Qy	TTGAAGCCAGGTCCTGTGATGAGCAGCTGGAGAGTTTGTTCGACAGGTCATGGCTTCC	1440
1364	Db	TTGAAGCCAGGTCCTGTGATGAGCAGCTGGAGAGTTTGTTCGACAGGTCATGGCTTCC	1423
1441	Qy	AGATGCTGTATGCCGACTCTACATGAACCGGGAGGAGTTCTGGGAGAGTTTGTATGGCT	1500
1424	Db	AGATGCTGTATGCCGACTCTACATGAACCGGGAGGAGTTCTGGGAGAGTTTGTATGGCT	1483
1501	Qy	CCTTGTACCAAGCTGCGAGAGAAGCTGGGTTCGCCAGACGCTTTCGCCAGAGTGTACG	1560
1484	Db	CCTTGTACCAAGCTGCGAGAGAAGCTGGGTTCGCCAGACGCTTTCGCCAGAGTGTACG	1543
1561	Qy	ACAAGATCTGCAAGGGCGCGCAGGCACTGAGCTGGAGCCCGCTGGAGAGACAGACAGTG	1620
1544	Db	ACAAGATCTGCAAGGGCGCGCAGGCACTGAGCTGGAGCCCGCTGGAGAGACAGACAGTG	1603
1621	Qy	TGAGTGGTCAGGCATCTTCCCTTCACTCAAGCTTGCTGCTTCTTAGATCCACACTTTC	1680
1604	Db	TGAGTGGTCAGGCATCTTCCCTTCACTCAAGCTTGCTGCTTCTTAGATCCACACTTTC	1663
1681	Qy	AAAGAGAAACCCCTCCAGAACTCCCAACCTCGACAGGCCCAACACACCTTCTCCTGGCTT	1740
1664	Db	AAAGAGAAACCCCTCCAGAACTCCCAACCTCGACAGGCCCAACACACCTTCTCCTGGCTT	1723
1741	Qy	CCAGGGGGCAGCCAGTGGAATGGAAAGAAATGTGGGATTTGGAGTCAGACAAAGCTGAGT	1800
1724	Db	CCAGGGGGCAGCCAGTGGAATGGAAAGAAATGTGGGATTTGGAGTCAGACAAAGCTGAGT	1783
1801	Qy	CCAGTTCCCGGTTTAGAACTCATTAGCTGTGTGACTCTGGGTGAGTCCCTTACCCCTCT	1860
1784	Db	CCAGTTCCCGGTTTAGAACTCATTAGCTGTGTGACTCTGGGTGAGTCCCTTACCCCTCT	1843
1861	Qy	GAGCCCGGCTCTTTCATTTAGTTGAAGGGATAGTAATACCTACTTTCAGAGTTGTTGTCA	1920
1844	Db	GAGCCCGGCTCTTTCATTTAGTTGAAGGGATAGTAATACCTACTTTCAGAGTTGTTGTCA	1903
1921	Qy	TCTGAGTTGAGCACTGGTCACTGTAAGGTGCTGGGTAAAGTGTAGTCTTTGTTGCTTCC	1980
1904	Db	TCTGAGTTGAGCACTGGTCACTGTAAGGTGCTGGGTAAAGTGTAGTCTTTGTTGCTTCC	1963
1981	Qy	CGTTCAAGCTCAGATCTGCAAGTGGAGCCCTGMAAGGCTCCACATTAGTTCACCTGTGCAC	2040
1964	Db	CGTTCAAGCTCAGATCTGCAAGTGGAGCCCTGMAAGGCTCCACATTAGTTCACCTGTGCAC	2023
2041	Qy	AGCCATGGCTGGAAATGATGAAGGGGATACGCTGGAGTTGCCCTGCCATCCGCTCCATCAG	2100
2024	Db	AGCCATGGCTGGAAATGATGAAGGGGATACGCTGGAGTTGCCCTGCCATCCGCTCCATCAG	2083
2101	Qy	CCAGACGAGTCTCTCAACGAGAAAGCAGCTCTTCCCCACCTTGGGATCTCAGGAGGGC	2160
2084	Db	CCAGACGAGTCTCTCAACGAGAAAGCAGCTCTTCCCCACCTTGGGATCTCAGGAGGGC	2143
2161	Qy	AGCCACGGAGTGGGAGGCCCAAGTCCGCTGTGCCAAGCCAGGTCGAGGCCAAGTT	2220
2144	Db	AGCCACGGAGTGGGAGGCCCAAGTCCGCTGTGCCAAGCCAGGTCGAGGCCAAGTT	2203

Db 2522 TCCTTCCAAAACCCACTTTTGTCTTGGTGGAGTGGGTCCGCGCTGCTCTGCAGCAGGG 2581
Qy 2521 CTGGGAGTGGACAGCATCAGTGGGAAAGTGGAGTCCACCTCATGTTCTGTGAGATT 2580
Db 2582 CTGGGAGTGGACAGCATCAGTGGGAAAGTGGAGTCCACCTCATGTTCTGTGAGATT 2641
Qy 2581 CTCACCGTGGGGCTGGGAAGAAAGAGCATCGACTTGAATTTCTCAACACCATCATCCCTCT 2640
Db 2642 CTCACCGTGGGGCTGGGAAGAAAGAGCATCGACTTGAATTTCTCAACACCATCATCCCTCT 2701
Qy 2641 TTTTCTTTCTTCCACACCTCCCACTCCCAAGCTGTAGTTAAATTTTCAGTGCCTTTACAAATCC 2700
Db 2702 TTTTCTTTCTTCCACACCTCCCAAGCTGTAGTTAAATTTTCAGTGCCTTTACAAATCC 2761
Qy 2701 TAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGAACTCCCTAGTTCCTTCC 2760
Db 2762 TAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGAACTCCCTAGTTCCTTCC 2821
Qy 2761 CTGGCTTGTATTAACGCAAAAGCTTGGTTGTTTATGCAACTCTATCTTAAAGAACTGCCAG 2820
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Db 2882 CCTCAGCTGAAACCCGAATCTGAGAAAGAAATTCGCTCATGTAAAGGAAGCTGGAATTA 2941
Qy 2881 GGGAGCTGAGCAGTCACTGTTGGCGTGTGAGTCAAGAGACCTAGTTCACGCCCTC 2940
Db 2942 GGGAGCTGAGCAGTCACTGTTGGCGTGTGAGTCAAGAGACCTAGTTCACGCCCTC 3001
Qy 2941 TCTACTGTCAAGCAGCTGTGCAACCTGGGCAAGTCAATGTCCTCTGAGCTGCAAGTTTCCT 3000
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Qy 3001 CATCTGTCAATGCTACAGCAAGACCTCCCTGGAAACCTTCTGATGTTCTTAGACACT 3060
Db 3062 CATCTGTCAATGCTACAGCAAGACCTCCCTGGAAACCTTCTGATGTTCTTAGACACT 3121
Qy 3061 GTGGTTGCAAAACCCAGGAAGCCTCATTTGTGTGAAAGTCAAGGAAATGATCCA 3120
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Qy 3121 GTGACACTTGGGATTTATCTGTCATTTCAAGATCTCTTCTTCAACCCCAAGGCCAGCTCC 3180
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Qy 3181 CATCTCAATTTCCAGAAAGGCTCATACCTGCTTGCAGGGAAGCATCTGTCTGTCAATCC 3240
Db 3242 CATCTCAATTTCCAGAAAGGCTCATACCTGCTTGCAGGGAAGCATCTGTCTGTCAATCC 3301
Qy 3241 AGTGCCAGATCTCTCAGAGTCATTTGAAGGGTGTTCACCCATCCCAAGGCTTGG 3300
Db 3302 AGTGCCAGATCTCTCAGAGTCATTTGAAGGGTGTTCACCCATCCCAAGGCTTGG 3361
Qy 3301 CACACTGCCAGTGTCTTAGCAGGTCTTGTGAGGGCTGGGGCATCCAGGCATCTCAGAAG 3360
Db 3362 CACACTGCCAGTGTCTTAGCAGGTCTTGTGAGGGCTGGGGCATCCAGGCATCTCAGAAG 3421
Qy 3361 GCAAGGAACACCTTACCCATTTGGCTCTGAGGGGGGCAAGAAAGAAAGAAACCTC 3420
Db 3422 GCAAGGAACACCTTACCCATTTGGCTCTGAGGGGGGCAAGAAAGAAAGAAACCTC 3481
Qy 3421 ATCTATATTTTACAAAGCATGGAATTTCCGATTTAGCTCTCATAGGACCCCATGTGC 3480
Db 3482 ATCTATATTTTACAAAGCATGGAATTTCCGATTTAGCTCTCATAGGACCCCATGTGC 3541
Qy 3481 TTCTCTCTCAGTGCAGAAATCTGATGATTTCTACTTGTCTGTAGATGAATGGTTAACAGG 3540
Db 3542 TTCTCTCTCAGTGCAGAAATCTGATGATTTCTACTTGTCTGTAGATGAATGGTTAACAGG 3601
Qy 3541 TAGTTAAACAGTGCCATTTGTTTCCAGTGAAGCCTCCAAACCTTAAGCCATCTGGGACGT 3600
Db 3602 TAGTTAAACAGTGCCATTTGTTTCCAGTGAAGCCTCCAAACCTTAAGCCATCTGGGACGT 3661

Qy 3601 GGCCAGAGATGCCAGAGCCCTCTGTGCGCCCTTAGTTCATATAACCAAAATCCAGACCTTAT 3660
Db 3662 GGCCAGAGATGCCAGAGCCCTCTGTGCGCCCTTAGTTCATATAACCAAAATCCAGACCTTAT 3721
Qy 3661 CCACAAACCCGGGGCTTGGAAAGGAAGGTAATTTTGGAAATCAACCCCTCCGGTTATGTTGCT 3720
Db 3722 CCACAAACCCGGGGCTTGGAAAGGAAGGTAATTTTGGAAATCAACCCCTCCGGTTATGTTGCT 3781
Qy 3721 CCAAGTAAATCTTTCCTGGAAAGAGGAGTCTTCTTTAGCATGTGTGAGTTCATGGC 3780
Db 3782 CCAAGTAAATCTTTCCTGGAAAGAGGAGTCTTCTTTAGCATGTGTGAGTTCATGGC 3841
Qy 3781 TTTTCTTTTGTAGCCAGTCCCTGCGCATCATCTGATGTTTGGATGGAGTTAAA 3840
Db 3842 TTTTCTTTTGTAGCCAGTCCCTGCGCATCATCTGATGTTTGGATGGAGTTAAA 3901
Qy 3841 CTTGATGCCAGTGGGAGTGCATGTGAAAGTATCAGAGTAAGCCTCTCCCTCCAGAGC 3900
Db 3902 CTTGATGCCAGTGGGAGTGCATGTGAAAGTATCAGAGTAAGCCTCTCCCTCCAGAGC 3961
Qy 3901 CTTGAGTTCCTTGGCTGCATGAAGGTTTCTTTAGAAATCAAAATTTAGCAGTTTCTTT 3960
Db 3962 CTTGAGTTCCTTGGCTGCATGAAGGTTTCTTTAGAAATCAAAATTTAGCAGTTTCTTT 4021
Qy 3961 GGCCAGAGGATCAATACATTTGGATATTTACTGAAAGGGAGGGTGGAGATGGGTGGCAG 4020
Db 4022 GGCCAGAGGATCAATACATTTGGATATTTACTGAAAGGGAGGGTGGAGATGGGTGGCAG 4081
Qy 4021 TGTATGGTGTGATTTTATTTTCTTTTGGTTCATGGGGCCCAAGGAAAGGCAATGA 4080
Db 4082 TGTATGGTGTGATTTTATTTTCTTTTGGTTCATGGGGCCCAAGGAAAGGCAATGA 4141
Qy 4081 ATCTTCCCTGTGAGGCTTTTACAGCCACAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4140
Db 4142 ATCTTCCCTGTGAGGCTTTTACAGCCACAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4201
Qy 4141 CCCGTGGCTGTGGGGCGGCTGCTTCTGTTTAAATAAAAGTGGCCTGG 4187
Db 4202 CCCGTGGCTGTGGGGCGGCTGCTTCTGTTTAAATAAAAGTGGCCTGG 4248

RESULT 14

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; Sequence 121, Application US/10479081
; Publication No. US20050059001A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWARA, AKIRA
; TITLE OF INVENTION: NUCLEIC ACIDS ISOLATED FROM NEUROBLASTOMA
; FILE REFERENCE: 7388-80893
; CURRENT APPLICATION NUMBER: US/10/479,081
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: PCT/JP02/05295
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; PRIOR APPLICATION NUMBER: JP 2001-163666
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: JP 2001-255260
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 4219
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: nb1a-03646
US-10-479-081-121

Query Match 97.2%; Score 4067.8; DB 21; Length 4219;
Best Local Similarity 98.7%; Pred. No. 0;
Matches 4132; Conservative 0; Mismatches 2; Indels 53; Gaps 1;
Qy 1 GGCGCGAAACCCGAGCGCTTACCGCGGGCGCGCACCATGGAGCCCGCGTGTGCGTGG 60

301 CCTTATGTGTCACGGGGCGCCCTGGCTGGCTCACTGTCTCACTACGTGTGGGAAGTACA 360
362 CCTTCAATGTGTCACGGGGCGCCCTGGCTGGCTCACTGTCTCACTACGTGTGGGAAGTACA 421
361 AGAAGACACACAAAAACATCATGATCAACCTGATGACATCTTGGGAAGTGGACACCAAGA 420
422 AGAAGACACACAAAAACATCATGATCAACCTGATGACATCTTGGGAAGTGGACACCAAGA 481
421 AACAGATTGTCGGTGTGGAGCCCTTGGTGACCATGGGCGAGGTGACTGCGCTCTGACCT 480
482 AACAGATTGTCGGTGTGGAGCCCTTGGTGACCATGGGCGAGGTGACTGCGCTCTGACCT 541
481 CCATTGGCTGGACTCTCCCGTGTGCTGAGCTTGGATGACCTCAAGTGGGGGGCTTGA 540
542 CCATTGGCTGGACTCTCCCGTGTGCTGAGCTTGGATGACCTCAAGTGGGGGGCTTGA 601
541 TCATGGGACAGGCATGAGTCATCATCCACAAAGTACGGCTGTTCACACATCTGCA 600
602 TCATGGGACAGGCATGAGTCATCATCCACAAAGTACGGCTGTTCACACATCTGCA 661
601 CTGCTTACGAGCTGGTCTCGGCTGATGGCAGCTTTTGTGCGATGCACTCCGTCCGAAAACT 660
662 CTGCTTACGAGCTGGTCTCGGCTGATGGCAGCTTTTGTGCGATGCACTCCGTCCGAAAACT 721
661 CAGACCTGTTCTATGCGGTAACCTGGTCTCTGTGGGACGCTGGGTTTCTGGTGGCCGCTG 720
722 CAGACCTGTTCTATGCGGTAACCTGGTCTCTGTGGGACGCTGGGTTTCTGGTGGCCGCTG 781
721 AGATCGGCATCATCCCTGCCAAGTACGTCGAAGCTGGTGTTCGAGCCAGTGGGGGCC 780
782 AGATCGGCATCATCCCTGCCAAGTACGTCGAAGCTGGTGTTCGAGCCAGTGGGGGCC 841
781 TGGAGGCTATCTGTGCCAAGTTCACCCAGCTCCAGCGGCGAGGAAACCACTTCGTGG 840
842 TGGAGGCTATCTGTGCCAAGTTCACCCAGCTCCAGCGGCGAGGAAACCACTTCGTGG 901
841 AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCTATTATGACAGGGGTGATGACAGATGAGG 900
902 AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCTATTATGACAGGGGTGATGACAGATGAGG 961
901 CAGAGCCAGCAAGCTGATAGCATTTGGGAAATTAATAAGCCGTGGTCTTTAAGCATG 960
962 CAGAGCCAGCAAGCTGATAGCATTTGGGAAATTAATAAGCCGTGGTCTTTAAGCATG 1021
961 TGGAGAACTATCTGAAGACAAAACGAGAGGCGCTGGAGTACATTCCTCTGAGACACTACT 1020
1022 TGGAGAACTATCTGAAGACAAAACGAGAGGCGCTGGAGTACATTCCTCTGAGACACTACT 1081
1021 ACCACCGCCACACGCGCAGCATCTTCTGGAGCTCCAGGACATCATCCCCCTTTGGCAACA 1080
1082 ACCACCGCCACACGCGCAGCATCTTCTGGAGCTCCAGGACATCATCCCCCTTTGGCAACA 1141
1081 ACCCATCTTCCGTACTCTTTGGCTGGATGGTCTCCCAAGATCTCCCTCTGAGC 1140
1142 ACCCATCTTCCGTACTCTTTGGCTGGATGGTCTCCCAAGATCTCCCTCTGAGC 1201
1141 TGACCCAGGGTGAGACCTCGCAAGCTGTACAGAGCAGCACACGCTGTGCAGACATGC 1200
1202 TGACCCAGGGTGAGACCTCGCAGAGCTGTACAGAGCAGCACACGCTGTGCAGACATGC 1261
1201 TGGTGGCCATGAAGTGTCTGAGCAGGCGCTGACACACTTTCCAAAAAGCATCCAGTCT 1260
1262 TGGTGGCCATGAAGTGTCTGAGCAGGCGCTGACACACTTTCCAAAAAGCATCCAGTCT 1321
1261 ACCCATCTGCTGTGTCTGCTTCTCTGCGCAGCCAGCCAGGCTAGTGCACCCCAAG 1320
1322 ACCCATCTGCTGTGTCTGCTTCTCTGCGCAGCCAGCCAGGCTAGTGCACCCCAAG 1381
1321 GAAATGAGGAGAGCTCTCATCATGCAATTGGAGCATATGGGAGCCGCTGTGAACACT 1380
1382 GAAATGAGGAGAGCTCTCATCATGCAATTGGAGCATATGGGAGCCGCTGTGAACACT 1441
1381 TTGAAGCCAGGTCCTGATAGGCGAGCTGGGAAGTTTGTCCGAGCGTGCATGGCTTCC 1440

1442 TTGAAGCCAGGTCCTGCAATGAGCGAGCTGGAGAAAGTTTGTCCGAGCGTGCATGGCTCC 1501
1441 AGATCTCTGTATCCCGATCTGCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTATGGCT 1500
1502 AGATCTCTGTATCCCGATCTGCTACATGAACCGGAGGAGTTCTGGGAGATGTTTGTATGGCT 1561
1501 CCTTGTACCAACAAGCTGCGAGAGAGCTGGGTTCGACGAGACGCTTTCCCGAGGTGTACG 1560
1562 CCTTGTACCAACAAGCTGCGAGAGAGCTGGGTTCGACGAGACGCTTTCCCGAGGTGTACG 1621
1561 ACAAGATCTGAAAGCGCGCAGGCACTGAGCTTGGAGCCCGCTTGGAGAGACAGACGCTG 1620
1622 ACAAGATCTGAAAGCGCGCAGGCACTGAGCTTGGAGCCCGCTTGGAGAGACAGACGCTG 1681
1621 TGAGTGTTCAGGCACTCTTCCCTTCACTCAAGCTTGGCTGTCTTAGATCCACACTTTC 1680
1682 TGAGTGTTCAGGCACTCTTCCCTTCACTCAAGCTTGGCTGTCTTAGATCCACACTTTC 1741
1681 AAAGAGAAAACCCCTCCAGAACTCCCAACCTGACAGCCCAACACCACTTCTCTGGCTT 1740
1742 AAAGAGAAAACCCCTCCAGAACTCCCAACCTGACAGCCCAACCACTTCTCTGGCTT 1801
1741 CCAGGGGAGCGCCAGTGGAAATGGAAGATGTGGGATTTGGAGTCAGACAAAGCTTGAGT 1800
1802 CCAGGGGAGCGCCAGTGGAAATGGAAGATGTGGGATTTGGAGTCAGACAAAGCTTGAGT 1861
1801 CAGATTCCCGCTTTAGAACTCACTGCTGTGACTCTGGGTGAGTCCCTTAAACCCCTCT 1860
1862 CAGATTCCCGCTTTAGAACTCACTGCTGTGACTCTGGGTGAGTCCCTTAAACCCCTCT 1921
1861 GAGCCCGGCTCTTCTCATTTAGTTGAAAGGATAGTAATACCTAATTGCAAGTTTGTGTC 1920
1922 GAGCCCGGCTCTTCTCATTTAGTTGAAAGGATAGTAATACCTAATTGCAAGTTTGTGTC 1981
1921 TGTGATTGAGCACTGCTGTGACATTTGAAAGTGTGGGTAAAGTGTAGTCTTGTGGCTTCC 1980
1982 TGTGATTGAGCACTGCTGTGACATTTGAAAGTGTGGGTAAAGTGTAGTCTTGTGGCTTCC 2041
1981 CGTTACAGCTGACATCTGAGTGGAGCTGAAAGGCTCCACATTTAGGTGACCTGTGTCAC 2040
2042 CGTTACAGCTGACATCTGAGTGGAGCTGAAAGGCTCCACATTTAGGTGACCTGTGTCAC 2101
2041 AGCCATGGCTGGAATGATGAAGGGATACGCTGGAGTTGCCCTGCCATCGCTTCCATCAG 2100
2102 AGCCATGGCTGGAATGATGAAGGGATACGCTGGAGTTGCCCTGCCATCGCTTCCATCAG 2161
2101 CCAGACGAGTCTCTACAGGAGAAAGACAGCTTTTCCCAACCTTGGGATCTCAGGAGGC 2160
2162 CCAGACGAGTCTCTACAGGAGAAAGACAGCTTTTCCCAACCTTGGGATCTCAGGAGGC 2221
2161 AGCCACGAGTGGGAGGCGCCAGATGCGCTGTGCCAAAGCCAGGTCCGAGGCCAAAGTT 2220
2222 AGCCACGAGTGGGAGGCGCCAGATGCGCTGTGCCAAAGCCAGGTCCGAGGCCAAAGTT 2281
2221 CTCCCTGCCATCTTGGTGGCTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2280
2282 CTCCCTGCCATCTTGGTGGCTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2341
2281 CACCCAGCCACCATGAGTCCACTCGGAGTGGCTGTGTTCTTGGAGAGGCAATTCAG 2340
2342 CACCCAGCCACCATGAGTCCACTCGGAGTGGCTGTGTTCTTGGAGAGGCAATTCAG 2401
2341 GGTGTAATCTGTCCAGGCTCAGCTGGGACACCTTAGGTGGAGAGAGTGGTCTCCGCTC 2400
2402 GGTGTAATCTGTCCAGGCTCAGCTGGGACACCTTAGGTGGAGAGAGTGGTCTCCGCTC 2461
2401 TGAATTTGATCCAGGGACCTGGGCTCATTTCTTTTGGCTCAACAAACCTTGCAGGCTCA 2460
2462 TGAATTTGATCCAGGGACCTGGGCTCATTTCTTTTGGCTCAACAAACCTTGCAGGCTCA 2521
2461 TCTTTCCCAAAACCCACTTTTGTCTTGGTGGAGTGGTCCGCTCTCTTGCAGCAGGGG 2520

Qy 2761 CTGGCTTGTATTAACGCAAGCTTGGTTGTTATGCAACTCTATCTTTAAGAACTGCCAG 2820
Db |||||
Qy 2796 CTGGCTGTTATTAACGCAAGCTTGGTTGTTATGCAACTCTATCTTTAAGAACTGCCAG 2855
Db |||||
Qy 2821 CCTCAGCTGAAACCCGAACTCTGAGAAAGAAATGCGTCATGTAAGGGAAGCTGGAATTA 2880
Db |||||
Qy 2856 CCTCAGCTGAAACCCGAACTCTGAGAAAGAAATGCGTCATGTAAGGGAAGCTGGAATTA 2915
Db |||||
Qy 2881 GGGAGCTGAGCCAGTCATGTTGTCGCTGTGAGTCAGGAGACCTAGGTTTCAGCCCTC 2940
Db |||||
Qy 2916 GGGAGCTGAGCCAGTCATGTTGTCGCTGTGAGTCAGGAGACCTAGGTTTCAGCCCTC 2975
Db |||||
Qy 2941 TCTACTCTCAGCGAGCTGTGCAACCTGGGCAAGTCAATTGTCCTCTGAGCTGCAAGTTTCCT 3000
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Qy 2976 TCTACTCTCAGCGAGCTGTGCAACCTGGGCAAGTCAATTGTCCTCTGAGCTGCAAGTTTCCT 3035
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Qy 3001 CATCTGTACATCGCTACAGACAAGACCTCCCTGGAAACCTTCTGATTTGCTTTAGACACT 3060
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Qy 3036 CATCTGTACATCGCTACAGACAAGACCTCCCTGGAAACCTTCTGATTTGCTTTAGACACT 3095
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Qy 3061 GTGGTTGCAAAACCCAGGAAAGCTCATTTGTTGTGGAAGTCAAGGAAAAATGATCCA 3120
Db |||||
Qy 3096 GTGGTTGCAAAACCCAGGAAAGCTCATTTGTTGTGGAAGTCAAGGAAAAATGATCCA 3155
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Qy 3121 GTGGACACTTTGGGATTTATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGCCAGCTCC 3180
Db |||||
Qy 3156 GTGGACACTTTGGGATTTATCTGTCAATCAAGATCCTTCTTCAACCCCAAGGTCAGCTCC 3215
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Qy 3181 CATCTCATTTCCGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTTGTCAATCC 3240
Db |||||
Qy 3216 CATCTCATTTCCGAAAGGCTCATACCTGGCTTGCAGGGAAGCATCTGTCTTGTCAATCC 3275
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Qy 3241 AGGTGCCAGAACTCTCTCAGAGTCAATTGAAGGGTGTTCACCCATCCCAACCAAGGCTTGG 3300
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Qy 3276 AGGTGCCAGAACTCTCTCAGAGTCAATTGAAGGGTGTTCACCCATCCCAACCAAGGCTTGG 3335
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Qy 3301 CACACTGCCAGTGTCTTAGCAGGCTCTGTGAGGCTGGGGGATCAGGCACTCAGAAG 3360
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Qy 3336 CACACTGCCAGTGTCTTAGCAGGCTCTGTGAGGCTGGGGGATCAGGCACTCAGAAG 3395
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Qy 3361 GCAAGGAACACCCCTACCCATTTGGCTCTGGAGGGGCGAGAAAGAAAGAAACCTC 3420
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Qy 3396 GCAAGGAACACCCCTACCCATTTGGCTCTGGAGGGGCGAGAAAGAAAGAAACCTC 3455
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Qy 3421 ATCTATATTTTACAAAGCATGGAATTCGGCAATTAGCTCTCATAGGAGACCCATGTGC 3480
Db |||||
Qy 3456 ATCTATATTTTACAAAGCATGGAATTCGGCAATTAGCTCTCATAGGAGACCCATGTGC 3515
Db |||||
Qy 3481 TTCTCTGCTCAGTGCAAACTGATGATTTCTACTTGTGTAGATGAATGGTTTACACGAGC 3540
Db |||||
Qy 3516 TTCTCTGCTCAGTGCAAACTGATGATTTCTACTTGTGTAGATGAATGGTTTACACGAGC 3575
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Qy 3541 TAGTTAAACAGTGCCATTTGTTGCCAGTGAAGCCTCAACCCCTTAAGCCACTGGGACGGT 3600
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Qy 3576 TAGTTAAACAGTGCCATTTGTTGCCAGTGAAGCCTCAACCCCTTAAGCCACTGGGACGGT 3635
Db |||||
Qy 3601 GGCAGAGATGCCAGAGCTCTGTGCGCCCTTAGTCATATAA CAAATCCAGACCTTAT 3660
Db |||||
Qy 3636 GGCAGAGATGCCAGAGCTCTGTGCGCCCTTAGTCATATAA CAAATCCAGACCTTAT 3695
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Qy 3661 CCACAAACCCGGGCTTGGAAAGGAAGTATTTTGGATCACACCTCCGGTTATGTGCT 3720
Db |||||
Qy 3696 CCACAAACCCGGGCTTGGAAAGGAAGTATTTTGGAAATCACACCTCCGGTTATGTGCT 3755
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Qy 3721 CCAGTAAATCTTGGCTTGGAAAGGAGGAGTCTTCTTAGCATGTGTAGCTGAGTTCATGGC 3780
Db |||||
Qy 3756 CCAGTAAATCTTGGCTTGGAAAGGAGGAGTCTTCTTAGCATGTGTAGCTGAGTTCATGGC 3815
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Qy 3781 TTTTCTTTTGTAGCCAGTCTGTGCTCCCTGGCCATCCATGTGTGATGTTTGGATGAGGTTAA 3840
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Qy 3816 TTTTCTTTTGTAGCCAGTCTGTGCTCCCTGGCCATCCATGTGTGATGTTTGGATGAGGTTAA 3875
Db |||||

Qy 3841 CTTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAGCTCTCCCTCCAGAGC 3900
Db |||||
Qy 3876 CTTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAGCTCTCCCTCCAGAGC 3935
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Qy 3901 CTTGAGTTCCTTGGCTGCATGAAGGTTTCTTTAGAAATCAGAATGTAGCCAGTTTCTTT 3960
Db |||||
Qy 3936 CTTGAGTTCCTTGGCTGCATGAAGGTTTCTTTAGAAATCAGAATGTAGCCAGTTTCTTT 3995
Db |||||
Qy 3961 GGCAGAGGATCAATACTTGGATATCTGAAAGGAGGGGTGGAGATGGGTGTGGCAG 4020
Db |||||
Qy 3996 GGCAGAGGATCAATACTTGGATATCTGAAAGGAGGGGTGGAGATGGGTGTGGCAG 4055
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Qy 4021 TGTATGTTGTGTCATTTTATTTTCTTTTGTGTCATGGGGCCAAAGGAGAAAGGATGA 4080
Db |||||
Qy 4056 TGTATGTTGTGTCATTTTATTTTCTTTTGTGTCATGGGGCCAAAGGAGAAAGGATGA 4115
Db |||||
Qy 4081 ATCTTCCCTGTGAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTGTGAAAGACATGTC 4140
Db |||||
Qy 4116 ATCTTCCCTGTGAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTGTGAAAGACATGTC 4175
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Qy 4141 CCGTGGCTGTGGGGCGGCTGCTTCTGTTTAAATAAAGTGGCCTGG 4187
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Qy 4176 CCGTGGCTGTGGGGCGGCTGCTTCTGTTTAAATAAAGTGGCCTGG 4222
Db |||||
RESULT 13
US-10-087-192-1259
; Sequence 1259, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 529452000122
; CURRENT FILING DATE: 2002-03-01
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 1259
; LENGTH: 4248
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-087-192-1259
Query Match 99.9%; Score 4182.2; DB 13; Length 4248;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 4184; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1 GGCAGCAACCCGAGCGCTTACCGCGCGCGCGCACCATGGAGCCCGCGTGTGCTGG 60
Db |||||
Qy 62 GGCAGCAACCCGAGCGCTTACCGCGCGCGCGCACCATGGAGCCCGCGTGTGCTGG 121
Db |||||
Qy 61 CCGTGTGCGCGTGTCTTCTGCTGTGGTGGCTGAGAGGGGCTGGAGTTCGTGCTCA 120
Db |||||
Qy 122 CCGTGTGCGCGTGTCTTCTGCTGTGGTGGCTGAGAGGGGCTGGAGTTCGTGCTCA 181
Db |||||
Qy 121 TCCACAGCGCTGGGTGTTGTTGCTGCTTCTCTCGCGCTCTCGCTTATCTTCGATA 180
Db |||||
Qy 182 TCCACAGCGCTGGGTGTTGTTGCTGCTTCTCTCGCGCTCTCGCTTATCTTCGATA 241
Db |||||
Qy 181 TCTACTACTACGTGCGCGCTGGGTGGTGTTCAAAGCTCAGACAGCGCTCCGCGCTGCACG 240
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Qy 242 TCTACTACTACGTGCGCGCTGGGTGGTGTTCAAAGCTCAGACAGCGCTCCGCGCTGCACG 301
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Qy 241 AGCAGCGCTGCGGAGACATCCAGAGCAGGTGCGGAAATGGAGAGAGGAGGTTAGCAAGA 300
Db |||||
Qy 302 AGCAGCGCTGCGGAGACATCCAGAGCAGGTGCGGAAATGGAGAGAGGAGGTTAGCAAGA 361
Db |||||

3421 ATCTATATTTTACAAAGCATGTGAATTTCTGGCAATTAGCTCTCATAGGACACCATGTGC 3480
3482 ATCTATATTTTACAAAGCATGTGAATTTCTGGCAATTAGCTCTCATAGGACACCATGTGC 3541
3481 TTCTCTGCTCAGTGCATAAATCTAGATATTTCTACTTGTCTGTAGATGAATGGTTAAACAGAGC 3540
3542 TTCTCTGCTCAGTGCATAAATCTAGATATTTCTACTTGTCTGTAGATGAATGGTTAAACAGAGC 3601
3541 TAGTTAAACAGTGCATTTTGGCCAGTGAAGCTTCCAACTTAAAGCTTAAAGCTTAAAGCTTAA 3600
3602 TAGTTAAACAGTGCATTTTGGCCAGTGAAGCTTCCAACTTAAAGCTTAAAGCTTAAAGCTTAA 3661
3601 GGCAGAGATGTCAGAGAGCTCTGTGCGCCCTTAGTGCATATATAACCAAAATCCAGACCTTAT 3660
3662 GGCAGAGATGTCAGAGAGCTCTGTGCGCCCTTAGTGCATATATAACCAAAATCCAGACCTTAT 3721
3661 CCAACACCCGGGCTTGGAAAGGAAGTATTTTGGAAATCAACACCCCTCCGGTTATGTTGCT 3720
3722 CCAACACCCGGGCTTGGAAAGGAAGTATTTTGGAAATCAACACCCCTCCGGTTATGTTGCT 3781
3721 CCAAGTAAATCTTGGCTTGGAAAGGAAGTATTTTGGAAATCAACACCCCTCCGGTTATGTTGCT 3780
3782 CCAAGTAAATCTTGGCTTGGAAAGGAAGTATTTTGGAAATCAACACCCCTCCGGTTATGTTGCT 3841
3781 TTTTCTTTTGTAGCCAGTCTTCCCTGGCCATCCATGTGATGTTTGGATGAGTTAAA 3840
3842 TTTTCTTTTGTAGCCAGTCTTCCCTGGCCATCCATGTGATGTTTGGATGAGTTAAA 3901
3841 CTTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAGCTCTCCCTCCAGAGC 3900
3902 CTTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAGTAAGCTCTCCCTCCAGAGC 3961
3901 CTTGATGTTCTGGCTGCATGAAGTATTTCTTTAGAAATCAGAAATTTAGTGCAGTTCTTT 3960
3962 CTTGATGTTCTGGCTGCATGAAGTATTTCTTTAGAAATCAGAAATTTAGTGCAGTTCTTT 4021
3961 GGCAGAGATCAATCTTGAATATTTACTGAAAGGAGGGTGGAGATGGGTGTCGAG 4020
4022 GGCAGAGATCAATCTTGAATATTTACTGAAAGGAGGGTGGAGATGGGTGTCGAG 4081
4021 TGTATGTTGTGATTTTATTTTCTTTGTCATGGGGCCAAAGGAGAAAGGATGA 4080
4082 TGTATGTTGTGATTTTATTTTCTTTGTCATGGGGCCAAAGGAGAAAGGATGA 4141
4081 ATCTTCCCTGTAGGCTTTAGCCACAGGCACTGTGCTACTGTCTGTGGAAGACATGTC 4140
4142 ATCTTCCCTGTAGGCTTTAGCCACAGGCACTGTGCTACTGTCTGTGGAAGACATGTC 4201
4141 CCGTGGCTGTGGGGCGCTTCTTCTTTAAATAAAGTGGCCTG 4187
4202 CCGTGGCTGTGGGGCGCTTCTTCTTTAAATAAAGTGGCCTG 4248

RESULT 11
US-10-934-998-32
; Sequence 32, Application US/10934998
; Publication No. US20050153917A1
; GENERAL INFORMATION:
; APPLICANT: AL-MAHMOOD, SALMAN
; APPLICANT: COLIN, SYLVIE
; APPLICANT: SCHNEIDER, CHRISTOPHE
; TITLE OF INVENTION: GENES INVOLVED IN REGULATING ANGIOGENESIS, PHARMACEUTICAL
; TITLE OF INVENTION: PREPARATIONS CONTAINING SAME AND APPLICATIONS THEREOF
; FILE REFERENCE: BMA-04-1206
; CURRENT APPLICATION NUMBER: US/10/934,998
; CURRENT FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: PCT/FR03/00695
; PRIOR FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: FR02/02717
; PRIOR FILING DATE: 2002-03-04
; PRIOR APPLICATION NUMBER: FR02/04546
; PRIOR FILING DATE: 2002-04-11

; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 4248
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: GS-N31
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GENBANK/AF261758
; DATABASE ENTRY DATE: 2000-10-10
; RELEVANT RESIDUES: (1)..(4248)
US-10-934-998-32

Query Match 100.0%; Score 4187; DB 22; Length 4248;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCGCGCAACCCGAGCGCTTACCGCGCGCGCCGACCATGGAGCCCGCGCTGCTGCTGG 60
DB 62 GCGCGCAACCCGAGCGCTTACCGCGCGCGCCGACCATGGAGCCCGCGCTGCTGCTGG 121
QY 61 CCGTGTGCGCGCTGCTTCTCTGTGTGGGTGCGCTGAAGGGGCTGAGATTCGTCTCA 120
DB 122 CCGTGTGCGCGCTGCTTCTCTGTGTGGGTGCGCTGAAGGGGCTGAGATTCGTCTCA 181
QY 121 TCCACAGCGCTGGGTGTTGTTGCTGCTCTCTCTGCGCTCTGCTTATCTTCGATA 180
DB 182 TCACACAGCGCTGGGTGTTGTTGCTGCTCTCTCTGCGCTCTGCTTATCTTCGATA 241
QY 181 TCTACTACTACGTGCGCGCTGCGGTGTTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 240
DB 242 TCTACTACTACGTGCGCGCTGCGGTGTTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 301
QY 241 AGCAGCGCTGGGGACATCCAGAAAGCAGGTGCGGAATGGAAGAGAGAGGTAGCAAGA 300
DB 302 AGCAGCGCTGGGGACATCCAGAAAGCAGGTGCGGAATGGAAGAGAGAGGTAGCAAGA 361
QY 301 CTTTATGTGCAAGGGGCGCTTGGCTGCTCACTGTCTCACTACGTGTGCGGAAGTACA 360
DB 362 CTTTATGTGCAAGGGGCGCTTGGCTGCTCACTGTCTCACTACGTGTGCGGAAGTACA 421
QY 361 AGAAGACACAAAAAATCATGATCAACCTCATGGACATTTGGAAGTGGACACCAAGA 420
DB 422 AGAAGACACAAAAAATCATGATCAACCTCATGGACATTTGGAAGTGGACACCAAGA 481
QY 421 AACAGATTTCCGTGTGGAGCCCTTGGTGACCATGGGCCAGAGTGAATGCTGACCT 480
DB 482 AACAGATTTCCGTGTGGAGCCCTTGGTGACCATGGGCCAGAGTGAATGCTGACCT 541
QY 481 CCAATTGGCTGGAATCTCCCGCTGTTGCTGAGCTTGAATGACCTCAGTGGGGGGCTTGA 540
DB 542 CCAATTGGCTGGAATCTCCCGCTGTTGCTGAGCTTGAATGACCTCAGTGGGGGGCTTGA 601
QY 541 TCATGGGCACAGCATCCAGTGCATATCCCAAGTACGGCCTGTTCCAAACATCTGCA 600
DB 602 TCATGGGCACAGCATCCAGTGCATATCCCAAGTACGGCCTGTTCCAAACATCTGCA 661
QY 601 CTGCTTACAGAGCTGGTCTGCTGGCTGATGGCAGCTTTGTGCGATGCACTCCGCTCCGAAAAC 660
DB 662 CTGCTTACAGAGCTGGTCTGCTGGCTGATGGCAGCTTTGTGCGATGCACTCCGCTCCGAAAAC 721
QY 661 CAGACCTGTTTATGCGGTACCTGCTGTTGGAGCGCTGGGTTCCTGTTGGTGGCGCTG 720
DB 722 CAGACCTGTTTATGCGGTACCTGCTGTTGGAGCGCTGGGTTCCTGTTGGTGGCGCTG 781
QY 721 AGATCCGATCATCTCCCTGCGAAGTACGTCAAGCTGCTGTTCCAGCCAGTCCGCGGCC 780
DB 782 AGATCCGATCATCTCCCTGCGAAGTACGTCAAGCTGCTGTTCCAGCCAGTCCGCGGCC 841
QY 781 TGGAGGCTATCTGTGCAAGTTTCAACCCAGAGTCCAGCGGCGAGGAGAACCTTCTGTTG 840
DB 842 TGGAGGCTATCTGTGCAAGTTTCAACCCAGAGTCCAGCGGCGAGGAGAACCTTCTGTTG 901

[illegible]

QY	3601	GGCAGAGATGCGCAGAGCCCTCTGTGCGCCCTTAGTCAATATAACAAATCCAGACCTTAT	3660
Db	3601	GGCAGAGATGCGCAGAGCCCTCTGTGCGCCCTTAGTCAATATAACAAATCCAGACCTTAT	3660
QY	3661	CCACACCCCGGGCTTGGAAAGAGATATTTTGGAAATCACACCTCGGTTATGTGCT	3720
Db	3661	CCACACCCCGGGCTTGGAAAGAGATATTTTGGAAATCACACCTCGGTTATGTGCT	3720
QY	3721	CCAGTAAATCTTGGCTGGAAAGAGGAGCTCTTTAGCAATGTGTAGCTGAGTTTCATGGC	3780
Db	3721	CCAGTAAATCTTGGCTGGAAAGAGGAGCTCTTTAGCAATGTGTAGCTGAGTTTCATGGC	3780
QY	3781	TTTTTTTTTGTAGCCAGTCTGTCCCTGGCCCATCCATGTGATGTTTTTGGATGGAGTTAAA	3840
Db	3781	TTTTTTTTTGTAGCCAGTCTGTCCCTGGCCCATCCATGTGATGTTTTTGGATGGAGTTAAA	3840
QY	3841	CTTGATGCCAGTGGGCGAGTCATGTGAAAGTATCAGAGTAAGCTCTCCCTCCAGAGC	3900
Db	3841	CTTGATGCCAGTGGGCGAGTCATGTGAAAGTATCAGAGTAAGCTCTCCCTCCAGAGC	3900
QY	3901	CTTGAGTTTCTTGGCTGCATGAAGTTTCTTTAGATCAGATTTAGCCAGTTTCTTT	3960
Db	3901	CTTGAGTTTCTTGGCTGCATGAAGTTTCTTTAGATCAGATTTAGCCAGTTTCTTT	3960
QY	3961	GGCCAGAGGATGAATACTTTGGATATTACTGAAAGGAGGGGTGGAGATGGGTGGCAG	4020
Db	3961	GGCCAGAGGATGAATACTTTGGATATTACTGAAAGGAGGGGTGGAGATGGGTGGCAG	4020
QY	4021	TGTATGTTGTGATTTTATTTTCTTTTGTGTCATTTGGGGCAAAGGAAAGGCGATGA	4080
Db	4021	TGTATGTTGTGATTTTATTTTCTTTTGTGTCATTTGGGGCAAAGGAAAGGCGATGA	4080
QY	4081	ATCTTCCCTGTAGGCTCTTACAGCACAGGCACTGTGTACTGTGTGAAAGCATGTC	4140
Db	4081	ATCTTCCCTGTAGGCTCTTACAGCACAGGCACTGTGTACTGTGTGAAAGCATGTC	4140
QY	4141	CCCGTGGCTGTGGGGCGGCTGCTTCTGTTTAAATAAAAGTGGCGTGG	4187
Db	4141	CCCGTGGCTGTGGGGCGGCTGCTTCTGTTTAAATAAAAGTGGCGTGG	4187
RESULT 10			
US-10-956-157-1950			
; Sequence 1950, Application US/10956157			
; Publication No. US20050118625A1			
; GENERAL INFORMATION:			
; APPLICANT: Wyeth			
; APPLICANT: Mounts, William			
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH			
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES			
; FILE REFERENCE: 031896-043000 (AM 101081)			
; CURRENT APPLICATION NUMBER: US/10/956,157			
; CURRENT FILING DATE: 2004-10-04			
; NUMBER OF SEQ ID NOS: 319805			
; SOFTWARE: PatentIn version 3.2			
; SEQ ID NO 1950			
; LENGTH: 4248			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-956-157-1950			
Query Match 100.0%; Score 4187; DB 21; Length 4248;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1	GGCGGAAACCCGAGCGCTTACCGCGCGCGCGCACCATGGAGCCCGCGTGTGCTGG	60
Db	62	GGCGGAAACCCGAGCGCTTACCGCGCGCGCGCACCATGGAGCCCGCGTGTGCTGG	121
QY	61	CCGTGTGCGGCTGCTCTTCTGCTGTGGGTGGCGCTGAAAGGGGCTGAGTTCTGTGCTCA	120
Db	122	CCGTGTGCGGCTGCTCTTCTGCTGTGGGTGGCGCTGAAAGGGGCTGAGTTCTGTGCTCA	181

QY	121	TCACACAGCGCTGGGTGTTCTGTGTGCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCGATATCTTCGATA	180
Db	182	TCACACAGCGCTGGGTGTTCTGTGTGCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCGATATCTTCGATA	241
QY	181	TCCTACTACTAGTGTGGGCTCTGGGTGTTCTAGCTCAGCAGCGCTCCGCGCTTGACG	240
Db	242	TCCTACTACTAGTGTGGGCTCTGGGTGTTCTAGCTCAGCAGCGCTCCGCGCTTGACG	301
QY	241	AGCAGCGGTGCGGGGATCTCCAGACAGGTGCGGAAATGGAAGGAGCAGGCTAGCAAGA	300
Db	302	AGCAGCGGTGCGGGGATCTCCAGACAGGTGCGGAAATGGAAGGAGCAGGCTAGCAAGA	361
QY	301	CTTCTATGTGCA CGGGGCGCTCTGGCTGCTCACTGTCTCACTA CAGTGTGCGGAAATGAC	360
Db	362	CTTCTATGTGCA CGGGGCGCTCTGGCTGCTCACTGTCTCACTA CAGTGTGCGGAAATGAC	421
QY	361	AGAAGACACACAAAAACATCATGATCAA CCTGATGGACATCTCTGGAAGTGGACACCAAGA	420
Db	422	AGAAGACACACAAAAACATCATGATCAA CCTGATGGACATCTCTGGAAGTGGACACCAAGA	481
QY	421	AACAGATTGTCGTGTGGAGCCCTTGGTGACCATGGGCCAGGTGACTGCCCTCTGACCT	480
Db	482	AACAGATTGTCGTGTGGAGCCCTTGGTGACCATGGGCCAGGTGACTGCCCTCTGACCT	541
QY	481	CCATTGGCTGGACTCTCCCGTGTGCTGAGCTTGATGACCTCA CAGTGGGGGCTTGA	540
Db	542	CCATTGGCTGGACTCTCTCCCGTGTGCTGAGCTTGATGACCTCA CAGTGGGGGCTTGA	601
QY	541	TCATGGGCA CAGCATCGAGTCATCATCCCA CAAAGTACCGGCTGTTCCTCAACATCTGCA	600
Db	602	TCATGGGCA CAGCATCGAGTCATCATCCCA CAAAGTACCGGCTGTTCCTCAACATCTGCA	661
QY	601	CTGCTTACGAGCTGGTCTGGCTGATGGCAGCTTTCTGGATGCACTCCGTCGGAACCT	660
Db	662	CTGCTTACGAGCTGGTCTGGCTGATGGCAGCTTTCTGGATGCACTCCGTCGGAACCT	721
QY	661	CAGACCTGTCTATGCGCTACCTGCTCTGTGGGACGCTGGGTCTTCTGGTGGCGGCTG	720
Db	722	CAGACCTGTCTATGCGCTACCTGCTCTGTGGGACGCTGGGTCTTCTGGTGGCGGCTG	781
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Db	782	AGATCCGCATCATCTCTGCAAGAGTACGTCAAGCTGGCTTTTCGAGCCAGTGGGGCC	841
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Db	842	TGGAGGCTATCTGTGCCAGTTTCA CCGCAGGTC CCGAGGCGCAGGAGAACCTTCTG	901
QY	841	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATTATGACAGGGGTCA CACAGATGAGG	900
Db	902	AAGGGCTGCTCTACTCCCTGGATGAGGCTGTCAATTATGACAGGGGTCA CACAGATGAGG	961
QY	901	CAGAGCCCA CAGCATGTAATAGCAATTGGCAATTTACTACAAGCCGTGGTCTTTAAGCATG	960
Db	962	CAGAGCCCA CAGCATGTAATAGCAATTGGCAATTTACTACAAGCCGTGGTCTTTAAGCATG	1021
QY	961	TGGAGAACTATCTGAAGACAAACCCGAGAGGCGCTGGAGTACATTCCTTTGAGACACTACT	1020
Db	1022	TGGAGAACTATCTGAAGACAAACCCGAGAGGCGCTGGAGTACATTCCTTTGAGACACTACT	1081
QY	1021	ACCACCGCACAGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1080
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QY	1081	ACCCCATCTTCCGCTACCTCTTTGGTGGATGGTCTCCCAAGATCTCCCTCTGAAAGC	1140
Db	1142	ACCCCATCTTCCGCTACCTCTTTGGTGGATGGTCTCCCAAGATCTCCCTCTGAAAGC	1201
QY	1141	TGACCCAGGCTGAGACCTTGGCGCAAGCTGTACAGGAGCACACAGTGGTTCAGGACATGC	1200
Db	1202	TGACCCAGGCTGAGACCTTGGCGCAAGCTGTACAGGAGCACACAGTGGTTCAGGACATGC	1261
QY	1201	TGTTGCCCATGAAAGTGCCTGCGAGCAGGCGCTGCACACCTTCCAAAAACGACATCCACGTCT	1260

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Db 1441 AGATGCTGTATGCCGACTGCTACATGAAACCGGAGAGAGTTCTGGAGATGTTTTGATGGCT 1500
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Db 1621 TGAGTGTGAGGATCTTCCCTCTCACTCAAGCTTGGCTGCTTTCCTAGATCCACACTTTC 1680
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Qy 2161 AGCCACGGAGTGGGAGGCCCCAGATGCGCTGTGCCAAAGCCAGGTCAGAGGCCAAAGTT 2220
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Db 3961 GGCAGAGGATGAATCTTGGATATTAATCTGAAGAGGGGTGGAGATGGGTGGCAG 4020
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RESULT 9

US-10-934-998-53
; Sequence 53, Application US/10934998
; Publication No. US20050153917A1
; GENERAL INFORMATION:
; APPLICANT: AL-WAHMOOD, SALMAN
; APPLICANT: COLIN, SYLVIE
; APPLICANT: SCHNEIDER, CHRISTOPHE
; TITLE OF INVENTION: GENES INVOLVED IN REGULATING ANGIOGENESIS, PHARMACEUTICAL
; TITLE OF INVENTION: PREPARATIONS CONTAINING SAME AND APPLICATIONS THEREOF
; FILE REFERENCE: BWA-04-1206
; CURRENT APPLICATION NUMBER: US/10/934,998
; CURRENT FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: PCT/FR03/00695
; PRIOR FILING DATE: 2003-03-04
; PRIOR APPLICATION NUMBER: FR02/02717
; PRIOR FILING DATE: 2002-03-04
; PRIOR APPLICATION NUMBER: FR02/04546
; PRIOR FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53
; LENGTH: 4187.
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: GS-N53
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GENBANK/D13643
; DATABASE ENTRY DATE: 2001-10-06
; RELEVANT RESIDUES: (1)..(4187)
US-10-934-998-53

Query Match 100.0%; Score 4187; DB 22; Length 4187;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5139
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-5139

Query Match      100.0%; Score 4187; DB 21; Length 4187;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 8

US-10-843-641A-5139
 ; Sequence 5139, Application US/10843641A
 ; Publication No. US2005006454A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Avalon Pharmaceuticals, Inc.
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
 ; TITLE OF INVENTION: Signature Gene Sets
 ; FILE REFERENCE: 689290-189
 ; CURRENT APPLICATION NUMBER: US/10/843, 641A
 ; PRIOR FILING DATE: 2004-05-12
 ; PRIOR APPLICATION NUMBER: US/09/873,367
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: US/09/954,531
 ; PRIOR FILING DATE: 2001-09-18
 ; PRIOR APPLICATION NUMBER: US/09/954,456
 ; PRIOR FILING DATE: 2001-09-25
 ; PRIOR APPLICATION NUMBER: US/09/962,436

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Qy	1141	TGACCCAGGCTGAGACCCCTGCGCAAGCTGTACAGAGCAGCACACGCTGGTGCAGGACATGC	1200	Qy	2221	CTCCCTGCCATCCTTGGTGCCTGCTGCCCTTCTCTTCTATGCTCTGGGCTCTGCAAGGCC	2280
Db	1141	TGACCCAGGCTGAGACCCCTGCGCAAGCTGTGTACAGAGCAGCACACGCTGGTGCAGGACATGC	1200	Db	2221	CTCCCTGCCATCCTTGGTGCCTGCTGCCCTTCTCTTCTATGCTCTGGGCTCTGCAAGGCC	2280
Qy	1201	TGAGTCCCATGAAGTGTGTCAGAGGCCCTGCACACCTTTCAAAAAGCAATCCACGTCT	1260	Qy	2281	CACCCAGCACAACCTGAGTCCACTCGGAGTGCCTGTGTTCTCTGAGAGAGGCAATTCAC	2340
Db	1201	TGAGTCCCATGAAGTGTGTCAGAGGCCCTGCACACCTTTCAAAAAGCAATCCACGTCT	1260	Db	2281	CACCCAGCACAACCTGAGTCCACTCGGAGTGCCTGTGTTCTCTGAGAGAGGCAATTCAC	2340
Qy	1261	ACCCCATCTGGCTGTCCGTTCACTCTGCCAGCCAGCCAGGCTAGTGCAACCCAAAG	1320	Qy	2341	GGTTGAATCTGTGCCAGCCTCAGCCTGGGACACCTAGGTGGAGAGAGTGGTCTCGCTC	2400
Db	1261	ACCCCATCTGGCTGTCCGTTCACTCTGCCAGCCAGCCAGGCTAGTGCAACCCAAAG	1320	Db	2341	GGTTGAATCTGTGCCAGCCTCAGCCTGGGACACCTAGGTGGAGAGAGTGGTCTCGCTC	2400
Qy	1321	GAAATGAGGACAGAGCTCTACATCGACATTTGGAGCATATGGGGAGCCGCTGTGAAACACT	1380	Qy	2401	TGAATTTGGATCCAGGGGACCTGGGCTCATTTCTTTGGCTCAACAAACCTGCAAGGCTCA	2460
Db	1321	GAAATGAGGACAGAGCTCTACATCGACATTTGGAGCATATGGGGAGCCGCTGTGAAACACT	1380	Db	2401	TGAATTTGGATCCAGGGGACCTGGGCTCATTTCTTTGGCTCAACAAACCTGCAAGGCTCA	2460
Qy	1381	TTGAAGCCAGGCTCTGCATGAGGAGCTGGAGAAATTTGTCCAGCGTGCATGGGCTTCC	1440	Qy	2461	TCCTTCCCAAAACCCACTTTGTCTGGTGGAGTGGTCCGCGCTGCTCTGACAGAGGGG	2520
Db	1381	TTGAAGCCAGGCTCTGCATGAGGAGCTGGAGAAATTTGTCCAGCGTGCATGGGCTTCC	1440	Db	2461	TCCTTCCCAAAACCCACTTTGTCTGGTGGAGTGGTCCGCGCTGCTCTGACAGAGGGG	2520
Qy	1441	AGATGCTGTATGCCGACTGTACATGAACCGGAGAGTTCGGGAGATGTTTGTATGGCT	1500	Qy	2521	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTTCATGTTTCTGTAGGATT	2580
Db	1441	AGATGCTGTATGCCGACTGTCTACATGAACCGGAGAGTTCGGGAGATGTTTGTATGGCT	1500	Db	2521	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTTCATGTTTCTGTAGGATT	2580
Qy	1501	CCTTGTACCAAGCTGCCAGAGAAGCTGGTTCAGGACGCTTCCCGAGGCTGTACG	1560	Qy	2581	CTCACCGTGGGCTGGAAGAAAGACATCGACTTCGATTTCCTCAAACCTCATCCCTCT	2640
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Qy	1561	ACAAGATCTGAAGCGCCGAGGCACTGAGCTGGAGCCCGCTGGAGAGACAGACGCTG	1620	Qy	2641	TTTTCTTTCTTCCACCACTCCCAAGCTGCTGATTTTCAAGTTCAGTGCCTTACAATTC	2700
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Qy	1621	TGAGTGGTCAGGCACTTCCCTTCACTCAAGCTTGGCTGCTTCTAGATCCACACTTTC	1680	Qy	2701	TAAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGAAAGGAAACCTTCCCTAGGCTCTTCC	2760
Db	1621	TGAGTGGTCAGGCACTTCCCTTCACTCAAGCTTGGCTGCTTCTAGATCCACACTTTC	1680	Db	2701	TAAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGAAAGGAAACCTTCCCTAGGCTCTTCC	2760
Qy	1681	AAAGAGAAACCCCTCCAGAACTCCCACTGACAGCCCAACACACCTTCTCCCTGGCTT	1740	Qy	2761	CTGGCTGTTTATAACGCAAGAGCTTGGTGTGTTATGCAAACCTCTATCTTAAAGAACTGCCAC	2820
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RESULT 5
US-10-172-118-355
; Sequence 355, Application US/10172118
; Publication No. US20030224374A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene

; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 355
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: D13643
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-355

Query Match 100.0%; Score 4187; DB 17; Length 4187;
Besc Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 121 TCCACAGCGCTGGGTGTTGCTGTGCTCTTCTCTGCGCGCTCTCGCTATCTTCGATA 180
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Db 181 TCTACTACTACGTGGCGCGCTGGGTGTTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 240
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QY 301 CCTTATGTGACAGGGGCGCTGGCTGGCTCACTGTCTCACTACGTGTGGGAACTACA 360
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Db 601 CTGCTTACGAGCTGTCCTCCCGGTGCTGAGTCGAGCTTGTGGATGCACTCCGTCGAAAAC 660
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QY 721 AGATCCGCAATCATCCCTGCGCAAGAGTACGTCAAGCTGGCTTCGAGCCAGTCGGGGCC 780
Db 721 AGATCCGCAATCATCCCTGCGCAAGAGTACGTCAAGCTGGCTTCGAGCCAGTCGGGGCC 780
QY 781 TGGAGGCTATCTGTGCAAGTTCCACCAAGTCCCGAGCGGAGGAGAACCACTTCGTGG 840

QY	1141	TGACCCAGGGTGAGACCTCGCGAAGCTGTACGAGCAGCACCAAGTGGTGCAGACATGC	1200	QY	2221	CTCCCTGCCATCCTTGGTGCGCTCTGCGCCCTTCTCTCTTCTCATGCCCTGGCCTGCAGGCC	2280
DB	1141		1200	DB	2221		2280
QY	1201	TGACCCAGGGTGAGACCTCGCGAAGCTGTACGAGCAGCACCAAGTGGTGCAGACATGC	1260	QY	2281	CACCCAGGCCACACTGAGTCCACTGGAGTCCCTGTGTCTCTGGAGAAAGGCATTTCCAG	2340
DB	1201		1260	DB	2281		2340
QY	1261	ACCCCATCTGGCTGTGTCCGTTGATCTGCGCCAGCAGCCCTGACACCTTTCCAAAACGACATCCACGTCT	1320	QY	2341	GGTGGATCTTGTCTCCAGCCTCAGCCTGGGACACCTAGGTGGAGAGAGTGGTCTCCGCTC	2400
DB	1261		1320	DB	2341		2400
QY	1321	GAATAGGCGAGAGCTCTACATCGACATTCGAGCATATGGGAGCCGCGGTGGAACACT	1380	QY	2401	TGAATTTGGATCCAGGGGACCTGGGCTCATTTCTTGGCTCACCAACCTTCGAGGCCCTCA	2460
DB	1321		1380	DB	2401		2460
QY	1381	TTGAAGCCAGGTCCTGCAATGAGGAGCTGGAGAGTTTGTCCGAGCGTGCACTGGCTTCC	1440	QY	2461	TCCTTCCCAAAACCCACTTTTGTCTTGGTGGAGTGGGTCCGCGTCTCTGCAGCAGGGG	2520
DB	1381		1440	DB	2461		2520
QY	1441	AGATGCTGTATGCCAGTCTACATGAAACCGGAGAGATTTCTGGAGATGTTTGAATGGCT	1500	QY	2521	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGAGTCCACCTCATGTTTCTGTAGGATT	2580
DB	1441		1500	DB	2521		2580
QY	1501	CCTTGTACCAACAGCTGCGAGAGAGCTGGGTTGCCAGGACGCTTCCCGAGGTGTACG	1560	QY	2581	CTCACGCTGGGCTGGAAGAAAGAGCATCGACTTGAATTTCTCAACACCTCATTCCTCT	2640
DB	1501		1560	DB	2581		2640
QY	1561	ACAAGATCTGCAAGCGCCGAGGACCTGAGCTGGAGCCCGCTGGAGACAGACACGTG	1620	QY	2641	TTTTCTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTTCAGTGCCTTCAAAATCC	2700
DB	1561		1620	DB	2641		2700
QY	1621	TGAGTGGTCAAGGATCTTCCCTTCACTCAAGCTTGGCTGCTTTCCTAGATCCACATTTTC	1680	QY	2701	TAAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGAAAGGAAACCTCCCTAGTGCCTTCC	2760
DB	1621		1680	DB	2701		2760
QY	1681	AAAGAGAAACCCCTCCAGAACTCCACCTCGACAGCCCAACACACCTTCTCTGGCTT	1740	QY	2761	CTGGCTTGTATTAACGAAAGCTTGGTTTATGCAACTCTATCTTAAAGAACTGGCCAG	2820
DB	1681		1740	DB	2761		2820
QY	1741	CCAGGGGGAGCCAGTGGAAATGGAAGATGTGGATTTGGAGTCAGACAAAGCTGAGT	1800	QY	2821	CCTCAGCTGAAAACCCGAAATCTGAGAAAGGAAATTCGCTCATGTAAAGGAACTGGAAATTA	2880
DB	1741		1800	DB	2821		2880
QY	1801	CCAGTTCCCGTTTAGAACTCATAGCTGTGACTCTGGGTGAGTCCCTTAAACCCCTCT	1860	QY	2881	GGGAGCTGACCACTCATGCTTGTGGCTGTGAGTCAGAGACCTAGGTTTACGCCCTC	2940
DB	1801		1860	DB	2881		2940
QY	1861	GAGCCGGGTCTCTTCAATAGTTGAAAGGATAGTAATACCTATTGCAAGTTTGTGTCA	1920	QY	2941	TCCTACTGTACGCGAGCTGTGCAACGTTGGCAAGCTGCTTCTGAGCTGCAGTTTCTCT	3000
DB	1861		1920	DB	2941		3000
QY	1921	TCTGAGTTGAGCACTGGTCACTTGAAGGTGCTGGGTAAAGTGTAGTCTTGTGTCTTCC	1980	QY	3001	CATCTGTCACTCGCTACAGACAAAGACCTCCCTGGAAACCTTCTGTATTGTCTTAGACACT	3060
DB	1921		1980	DB	3001		3060
QY	1981	CGTTACGCTCATCTGCAAGTGGAGCTGAAAGGCTCCACATTAAGTCACTGTGCAAC	2040	QY	3061	GTGGTTCGAAAACCCACGGAAGCCTCATTTGTGTGGAAGTCAAGGAAAAATGATCCA	3120
DB	1981		2040	DB	3061		3120
QY	2041	AGCCATGGCTGGAATGATGAAGGGATACCTGGAGTTGGCTTGCCTGCCATCGCCTCCATCAG	2100	QY	3121	GTGGACACTTGGGGATTATCTGTTCATTAAGATCTTCTTCAACCCCAAGGCCAGCTCC	3180
DB	2041		2100	DB	3121		3180
QY	2101	CCAGAGAGGTCTTCACAGAGAGGACAGCTCTTCCCAACCTGGGATCTCAGGAGGGC	2160	QY	3181	CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGAAAGCATCTGTCTTGTCAATTC	3240
DB	2101		2160	DB	3181		3240
QY	2161	AGCCAAGGAGTGGGAGGCCAGATGCGCTGTGCCAAAGCCAGGTCGAGGCCAAGATT	2220	QY	3241	AGGTGCCAGAACTCCTCTCAGAGTCAATGAAGGGTGTTCACCCATCCCAAGGCTTGG	3300
DB	2161		2220	DB	3241		3300
				QY	3301	CACACTGCCAGTGTCTTAGCAGGGTCTTGTGAGGGCTGGGGCATCCAGCACTCAGAAG	3360

3601	Db		GGCCAGAGATGCCAGCAGCCCTCTGTGCCCCTTAGTCATATTAACCAAAATCCAGACCTTAT	3660
3661	Qy		CCACAACCCGGGGCTTGGAAAGGAAGGTATTTTGGGAATCACACCTCCGGTGTATGTGCT	3720
3661	Db		CCACAACCCGGGGCTTGGAAAGGAAGGTATTTTGGGAATCACACCTCCGGTGTATGTGCT	3720
3721	Qy		CCAGTAAATCTTGGCCCTGGAAAAAGGCAGTCTCTTTAGCATGTGTAGCTGAGTTCATGGC	3780
3721	Db		CCAGTAAATCTTGGCCCTGGAAAAAGGCAGTCTCTTTAGCATGTGTAGCTGAGTTCATGGC	3780
3781	Qy		TTTTTTTTTGTAGCCAGTCCCTGCCCATCCATGTGATGTGTTTTGGATGCAGTTTAAA	3840
3781	Db		TTTTTTTTTGTAGCCAGTCCCTGCCCATCCATGTGATGTGTTTTGGATGCAGTTTAAA	3840
3841	Qy		CTTGATGCCAGTGGGCAGTGCATGTGGAAAGTATCAGAGTAAGCCTCTCCCTCCAGAGC	3900
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3901	Qy		CCGTAGTTCCTTGGCTGCATGAAAGTTCCTTTAGGAATCAGAAATGTGTAGCCAGTTCCTTT	3960
3901	Db		CCGTAGTTCCTTGGCTGCATGAAAGTTCCTTTAGGAATCAGAAATGTGTAGCCAGTTCCTTT	3960
3961	Qy		GGCCAGAAGGATGAATACTTTGGATATTTACTGAAAGGGAGGGGTGGAGATGGGTGTGGCAG	4020
3961	Db		GGCCAGAAGGATGAATACTTTGGATATTTACTGAAAGGGAGGGGTGGAGATGGGTGTGGCAG	4020
4021	Qy		TGTATGGTGTGATATTTTATTTTCTTTTGGTTCATGGGGGCCAAGGAGAAAGGCATGA	4080
4021	Db		TGTATGGTGTGATATTTTATTTTCTTTTGGTTCATGGGGGCCAAGGAGAAAGGCATGA	4080
4081	Qy		ATCTTCCCTGTCAAGGCTCTTACAGCCACAGCCTGTGTCTACTGTCTGGAAGACATGTC	4140
4081	Db		ATCTTCCCTGTCAAGGCTCTTACAGCCACAGCCTGTGTCTACTGTCTGGAAGACATGTC	4140
4141	Qy		CCCGTGGCTGTGGGGCGCTGCTCTCTGTTTAAATAAAAGTGGCCCTGG	4187
4141	Db		CCCGTGGCTGTGGGGCGCTGCTCTCTGTTTAAATAAAAGTGGCCCTGG	4187

RESULT 4

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US-09-873-319-290
; Sequence 290, Application US/09873319A
; Publication No. US20030134324A1
; GENERAL INFORMATION:
; APPLICANT: Munger, William E.
; APPLICANT: Kulkarni, Prakash
; APPLICANT: Getzenberg, Robert H.
; APPLICANT: Waga, Iwao
; APPLICANT: Yamamoto, Jun
; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic
; TITLE OF INVENTION: Hyperplasia Using Gene Expression Profiles
; FILE REFERENCE: 44921-5029-US
; CURRENT APPLICATION NUMBER: US/09/873.319A
; CURRENT FILING DATE: 2001-06-05
; EARLIER APPLICATION NUMBER: US 60/223,323
; EARLIER FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 755
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 290
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20030134324A1 D13643
US-09-873-319-290

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121	TCACACAGGCGTGGGTGTGTGTGTGCTTCTCTGTCGGCTCTGCTTATCTTCGATA	180	
121	TCACACAGGCGTGGGTGTGTGTGTGCTTCTCTGTCGGCTCTGCTTATCTTCGATA	180	
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421	AACAGATTCTCGTGTGAGCCCTTGGTGACCATGGCCAGGTGACTGCCCTGCTGACCT	480	
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961	TGAGAGAACTATCTGAAGACAAACCGAGAGGGCTGGAGTACATTCCTCTCAGACACTACT	1020	
1021	ACCAACGCCACACGCGCAGCATCTCTCTGGGAGCTCCAGGACATCATCCCTTTGGCAACA	1080	
1021	ACCAACGCCACACGCGCAGCATCTCTCTGGGAGCTCCAGGACATCATCCCTTTGGCAACA	1080	
1081	ACCCCATCTTTCGCTACTCTTTGGCTGGATGTGCTCCCAAGATCTCCCTCTCTGAAGC	1140	
1081	ACCCCATCTTTCGCTACTCTTTGGCTGGATGTGCTCCCAAGATCTCCCTCTCTGAAGC	1140	

QY	1441	AGATGCTGTATGCGACTGCTACATGAACCGGAGAGATTCTGGAGATGTTTGTATGGCT	1500	QY	2521	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT	2580
Db	1441		1500	Db	2521		2580
QY	1501	AGATGCTGTATGCGACTGCTACATGAACCGGAGAGATTCTGGAGATGTTTGTATGGCT	1560	QY	2581	CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT	2640
Db	1501		1560	Db	2581		2640
QY	1561	CCTTGTACCAACAAGCTGCGAGAGAAGCTGGTTGCCAGGACGCTTCCCGAGGTGTACG	1620	QY	2641	CTCACCGTGGGCTGGAAAGAAAGAGCATCGATTGATTTCTCCAAACCACTCATCCCTCT	2700
Db	1561		1620	Db	2641		2700
QY	1621	ACAAGATCTCAAGGCGCCAGSCACTGAGCTGGAGCCCGCTTGGAGACACACAGGTG	1680	QY	2701	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	2760
Db	1621		1680	Db	2701		2760
QY	1681	ACAAGATCTCAAGGCGCCAGSCACTGAGCTGGAGCCCGCTTGGAGACACACAGGTG	1740	QY	2761	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	2820
Db	1681		1740	Db	2761		2820
QY	1741	TGAGTGTCTCAGGCATCTTCCCTTCACTCAAGCTTGGCTGTCTTCTAGATCCACACTTTC	1800	QY	2821	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	2880
Db	1741		1800	Db	2821		2880
QY	1801	TGAGTGTCTCAGGCATCTTCCCTTCACTCAAGCTTGGCTGTCTTCTAGATCCACACTTTC	1860	QY	2881	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	2940
Db	1801		1860	Db	2881		2940
QY	1861	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	1920	QY	2941	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3000
Db	1861		1920	Db	2941		3000
QY	1921	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	1980	QY	3001	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3060
Db	1921		1980	Db	3001		3060
QY	1981	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2040	QY	3061	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3120
Db	1981		2040	Db	3061		3120
QY	2041	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2100	QY	3121	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3180
Db	2041		2100	Db	3121		3180
QY	2101	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2160	QY	3181	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3240
Db	2101		2160	Db	3181		3240
QY	2161	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2220	QY	3241	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3300
Db	2161		2220	Db	3241		3300
QY	2221	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2280	QY	3301	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3360
Db	2221		2280	Db	3301		3360
QY	2281	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2340	QY	3361	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3420
Db	2281		2340	Db	3361		3420
QY	2341	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2400	QY	3421	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3480
Db	2341		2400	Db	3421		3480
QY	2401	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2460	QY	3481	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3540
Db	2401		2460	Db	3481		3540
QY	2461	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2520	QY	3541	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3600
Db	2461		2520	Db	3541		3600
QY	2521	AAAGAGAAACCCCTCCAGAACTCCCACTCCAGAGCCCAACACACCTTCCCTCGCTT	2580	QY	3601	TTTCTCTTTCTTCCACCACTCCCAACCCAGCTGTAGTTAAATTTAGTGCCTTACAATCC	3660
Db	2521		2580	Db	3601		3660

QY 3901 CCTGAGTTTCTTGCGTCATGAAGTTTCTTTAGAAATCAGAATTGTAGCCAGTTTCTTT 3960
 DB 3901 CCTGAGTTTCTTGCGTCATGAAGTTTCTTTAGAAATCAGAATTGTAGCCAGTTTCTTT 3960
 QY 3961 GGCAGAGGATGAATACATTTGGATATTAATCTGAAGAGGAGGGGTGGAGATGGGTGGCAG 4020
 DB 3961 GGCAGAGGATGAATACATTTGGATATTAATCTGAAGAGGAGGGGTGGAGATGGGTGGCAG 4020
 QY 4021 TGTATGCTGTGATTTTATTTTCTTTTCTTTGTCATGGGGCCCAAGGAGAGGAGCATGA 4080
 DB 4021 TGTATGCTGTGATTTTATTTTCTTTTCTTTGTCATGGGGCCCAAGGAGAGGAGCATGA 4080
 QY 4081 ATCTTCCCTGTAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4140
 DB 4081 ATCTTCCCTGTAGGCTCTTACAGCCACAGGCACTGTGTCTACTGTCTGGAAGACATGTC 4140
 QY 4141 CCGTGTGCTGGGGCGGCTGCTTCTGTTTAAATAAAAGTGGCCTGG 4187
 DB 4141 CCGTGTGCTGGGGCGGCTGCTTCTGTTTAAATAAAAGTGGCCTGG 4187

RESULT 3
 US-09-960-706-477
 ; Sequence 477, Application US/09960706
 ; Publication No. US20030134280A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Munger, William E.
 ; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia
 ; FILE REFERENCES: 44921-5029-01US
 ; CURRENT APPLICATION NUMBER: US/09/960,706
 ; CURRENT FILING DATE: 2001-09-24
 ; PRIOR APPLICATION NUMBER: 60/223,323
 ; PRIOR FILING DATE: 2000-08-07
 ; PRIOR APPLICATION NUMBER: 09/873,319
 ; PRIOR FILING DATE: 2001-06-05
 ; NUMBER OF SEQ ID NOS: 1124
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 477
 ; LENGTH: 4187
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20030134280A1 D13643
 US-09-960-706-477

Query Match 100.0%; Score 4187; DB 10; Length 4187;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGCAGCAACCCGAGCGCTTACCGCGCGCGCCGACCATGGAGCCCGCGTGTGCTGG 60
 DB 1 GGCAGCAACCCGAGCGCTTACCGCGCGCGCCGACCATGGAGCCCGCGTGTGCTGG 60
 QY 61 CCGTGTGCGCGCTGCTCTTCTGCTGTGGGTGCGCCCTGAAGGGGCTGGAGTTCGTGCTCA 120
 DB 61 CCGTGTGCGCGCTGCTCTTCTGCTGTGGGTGCGCCCTGAAGGGGCTGGAGTTCGTGCTCA 120
 QY 121 TCACACAGCGCTGGGTGCTGCTCTTCTGCTGCGGCTCTGCTTATCTTGTGATA 180
 DB 121 TCACACAGCGCTGGGTGCTGCTCTTCTGCTGCGGCTCTGCTTATCTTGTGATA 180
 QY 181 TCTACTACTAGTGCAGCGCTGGGTGCTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 240
 DB 181 TCTACTACTAGTGCAGCGCTGGGTGCTTCAAGCTCAGCAGCGCTCCGCGCTGCACG 240
 QY 241 AGCAGCGCTGCGGGAATCAGCAAGCAGGTGCGGGAATGGAAGGAGCGGTAGCAAGA 300
 DB 241 AGCAGCGCTGCGGGAATCAGCAAGCAGGTGCGGGAATGGAAGGAGCGGTAGCAAGA 300
 QY 301 CCTTCAATGTGCACGGGGCGCCTGGCTGCTACTGTCATCGTGTGCGGAAGTACA 360
 DB 301 CCTTCAATGTGCACGGGGCGCCTGGCTGCTACTGTCATCGTGTGCGGAAGTACA 360

DB 301 CCTTCAATGTGCACGGGGCGCCTGGCTGCTACTGTCATCTGTCGGAAGTACA 360
 QY 361 AGAAGACACACAAAAACATCATGATCAACTGATGACATTTCTGGAAGTGGACACCAAGA 420
 DB 361 AGAAGACACACAAAAACATCATGATCAACTGATGACATTTCTGGAAGTGGACACCAAGA 420
 QY 421 AACAGATTCTCGTGTGGAGCCCTTGGTGAACCAATGGGCCAGGTGACTGCGCTGTGACCT 480
 DB 421 AACAGATTCTCGTGTGGAGCCCTTGGTGAACCAATGGGCCAGGTGACTGCGCTGTGACCT 480
 QY 481 CCAATTGGCTGGACTCTCCCGCTGTTGCTGAGCTTATGACCTCAGTCAAGTGGGGGCTTGA 540
 DB 481 CCAATTGGCTGGACTCTCCCGCTGTTGCTGAGCTTATGACCTCAGTCAAGTGGGGGCTTGA 540
 QY 541 TCATGGGCAACAGGATCGAGTCAATCCCAACAGTACGCGCTGTTCCAAACATCTGCA 600
 DB 541 TCATGGGCAACAGGATCGAGTCAATCCCAACAGTACGCGCTGTTCCAAACATCTGCA 600
 QY 601 CTGCTTACGAGCTGTGCTGGCTGATGGCAGCTTTGTGCGATGCACTCCGTCGGAACACT 660
 DB 601 CTGCTTACGAGCTGTGCTGGCTGATGGCAGCTTTGTGCGATGCACTCCGTCGGAACACT 660
 QY 661 CAGACCTGTTCTATGCGGTACCTGCTGTGGGACGCTGGGTTTCTGCTGGCGCTG 720
 DB 661 CAGACCTGTTCTATGCGGTACCTGCTGTGGGACGCTGGGTTTCTGCTGGCGCTG 720
 QY 721 AGATCCGATCATCTCCCTGCAAGAGTACGTCAAGCTGCGTTTCGAGCCAGTTCGCGGCC 780
 DB 721 AGATCCGATCATCTCCCTGCAAGAGTACGTCAAGCTGCGTTTCGAGCCAGTTCGCGGCC 780
 QY 781 TGGAGCTATCTGTGCCAAGTTCAACCAAGTCCAGCGGCGAGGAGAACCTTCGTGG 840
 DB 781 TGGAGCTATCTGTGCCAAGTTCAACCAAGTCCAGCGGCGAGGAGAACCTTCGTGG 840
 QY 841 AAGGGCTGCTTACTCCCTGGATGAGGCTGTCTATGACAGGGGTGATGACAGATGAGG 900
 DB 841 AAGGGCTGCTTACTCCCTGGATGAGGCTGTCTATGACAGGGGTGATGACAGATGAGG 900
 QY 901 CAGAGCCAGCAAGCTGAAATAGCATTTGGCAATTTACTTACAGCGCTGCTTTTAAAGCATG 960
 DB 901 CAGAGCCAGCAAGCTGAAATAGCATTTGGCAATTTACTTACAGCGCTGCTTTTAAAGCATG 960
 QY 961 TGGAGAACTATCTGAAGACAAACCCGAGAGGGCTGGAGTACATTCCTTTGAGACACTACT 1020
 DB 961 TGGAGAACTATCTGAAGACAAACCCGAGAGGGCTGGAGTACATTCCTTTGAGACACTACT 1020
 QY 1021 ACCACGCGCACGCGCAGCATCTTCTGGAGCTCCAGACATCATCCCCCTTTGGCAACA 1080
 DB 1021 ACCACGCGCACGCGCAGCATCTTCTGGAGCTCCAGACATCATCCCCCTTTGGCAACA 1080
 QY 1081 ACCCAATCTTCCGCTACCTCTTTGGCTGGATGCTCTCCCAAGATCTCCCTCTGAAAGC 1140
 DB 1081 ACCCAATCTTCCGCTACCTCTTTGGCTGGATGCTCTCCCAAGATCTCCCTCTGAAAGC 1140
 QY 1141 TGACCCAGGCTGAGACCTTGGCAAGCTGTAGAGCAGACACAGTGGTGGCAGGATGTC 1200
 DB 1141 TGACCCAGGCTGAGACCTTGGCAAGCTGTAGAGCAGACACAGTGGTGGCAGGATGTC 1200
 QY 1201 TGGTCCCATGAAAGTCCCTGACAGCGCTGACACCTTCCAAACAGCATCCAGCTCT 1260
 DB 1201 TGGTCCCATGAAAGTCCCTGACAGCGCTGACACCTTCCAAACAGCATCCAGCTCT 1260
 QY 1261 ACCCAATCTGCTGCTGCTGCTTCCCTGCGCAGCGCAGGCTTAGTGACCCCCCAAG 1320
 DB 1261 ACCCAATCTGCTGCTGCTGCTTCCCTGCGCAGCGCAGGCTTAGTGACCCCCCAAG 1320
 QY 1321 GAAATGAGGAGAGCTCTTACATGACATTTGGAGCATATGGGGAGCGCGTGTGAAACACT 1380
 DB 1321 GAAATGAGGAGAGCTCTTACATGACATTTGGAGCATATGGGGAGCGCGTGTGAAACACT 1380
 QY 1381 TTGAAGCCAGGCTTCTGATGAGGAGCTGGAGAGTTTGTCCGACGGTGCATGGGCTTCC 1440
 DB 1381 TTGAAGCCAGGCTTCTGATGAGGAGCTGGAGAGTTTGTCCGACGGTGCATGGGCTTCC 1440

RESULT 2

US-09-880-107-1609
; Sequence 1609, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1609
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 D13643
US-09-880-107-1609

Query Match 100.0%; Score 4187; DB 9; Length 4187;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GGCGGAACCGCAGCGCTTACCGCGCGCGCGCACCATGAGCGCCGCGTGTGCTGG 60
DB	1	GGCGGAACCGCAGCGCTTACCGCGCGCGCGCACCATGAGCGCCGCGTGTGCTGG 60
QY	61	CGGTGTGCGCGCTGCTTCTCTGCTGTGGGTGGCGCTGGAAGGGGCTGGATTCGTCTCA 120
DB	61	CGGTGTGCGCGCTGCTTCTCTGCTGTGGGTGGCGCTGGAAGGGGCTGGATTCGTCTCA 120
QY	121	TCACAGCGCTGGGTGTGCTGTGCTTCTCTGCTGGCGCTGTGCTTATCTTCGATA 180
DB	121	TCACAGCGCTGGGTGTGCTGTGCTTCTCTGCTGGCGCTGTGCTTATCTTCGATA 180
QY	181	TCTACTACTACGTGCGCGCTGGGTGTGCTTCAAGCTCAGCAGCGCTCGCGCTGCACG 240
DB	181	TCTACTACTACGTGCGCGCTGGGTGTGCTTCAAGCTCAGCAGCGCTCGCGCTGCACG 240
QY	241	AGCAGCGCGTGGCGGACATCCAGAAGCAGGTGGGGAATGGAAGGAGCGGTAGCAAGA 300
DB	241	AGCAGCGCGTGGCGGACATCCAGAAGCAGGTGGGGAATGGAAGGAGCGGTAGCAAGA 300
QY	301	CTTTCATGTGCGCGGGCGCTGGGTCTACTGTCTACTACGTGTGGGAAAGTACA 360
DB	301	CTTTCATGTGCGCGGGCGCTGGGTCTACTGTCTACTACGTGTGGGAAAGTACA 360
QY	361	AGAAGACACAAAAACATCATGATCAACTGATGACATTTCTGGAAGTGGACACCAAGA 420
DB	361	AGAAGACACAAAAACATCATGATCAACTGATGACATTTCTGGAAGTGGACACCAAGA 420
QY	421	AACAGATTGTCCGTGTGGAGCCCTTGGTGCACCATGGCCAGGTGACTGCCCTCTGACCT 480
DB	421	AACAGATTGTCCGTGTGGAGCCCTTGGTGCACCATGGCCAGGTGACTGCCCTCTGACCT 480
QY	481	CCATTGTGCGACTCTCCCGTGTGCTGTGCTTGTGATGACCTCAGTGGGGGCTTGA 540
DB	481	CCATTGTGCGACTCTCCCGTGTGCTGTGCTTGTGATGACCTCAGTGGGGGCTTGA 540
QY	541	TCATGGCAGGCGATCGAGTCATATCCACAAAGTACGCGCTTTCCACACATCTGCA 600
DB	541	TCATGGCAGGCGATCGAGTCATATCCACAAAGTACGCGCTTTCCACACATCTGCA 600

QY	601	CTGCTTACGAGCTGGTCTGGCTGATGGCAGCTTTGTGCGATGCACTCCGTCGAAAACT 660
DB	601	CTGCTTACGAGCTGGTCTGGCTGATGGCAGCTTTGTGCGATGCACTCCGTCGAAAACT 660
QY	661	CAGACTGTTCTATGCGGTACCTGCTGTGGACGCTGGTGTTCCTGGTGGCGCGCTG 720
DB	661	CAGACTGTTCTATGCGGTACCTGCTGTGGACGCTGGTGTTCCTGGTGGCGCGCTG 720
QY	721	AGATCCGCATCATCCCTGCGCAAGAGTAGCTCAAGCTGCGTTTTCGAGCCAGTGGCGGCC 780
DB	721	AGATCCGCATCATCCCTGCGCAAGAGTAGCTCAAGCTGCGTTTTCGAGCCAGTGGCGGCC 780
QY	781	TGAGGCTATCTGTGCAAGTTTCCACAGAGTCCAGCGGCGAGAGAACCACTTCGTGG 840
DB	781	TGAGGCTATCTGTGCAAGTTTCCACAGAGTCCAGCGGCGAGAGAACCACTTCGTGG 840
QY	841	AGGGCTGCTCTACTCCCTGGATGAGGCTGATATGACAGGGGTGATGACAGATGAGG 900
DB	841	AGGGCTGCTCTACTCCCTGGATGAGGCTGATATGACAGGGGTGATGACAGATGAGG 900
QY	901	CAGAGCCAGCAAGCTGAAATAGCATTGGCAATTTACTACAAGCGGTGTTCTTTAAGCATG 960
DB	901	CAGAGCCAGCAAGCTGAAATAGCATTGGCAATTTACTACAAGCGGTGTTCTTTAAGCATG 960
QY	961	TGAGAGAACTATCTGAAGACAAACCGAGAGGGCTGGAGTACATTCCTTTGAGACACTACT 1020
DB	961	TGAGAGAACTATCTGAAGACAAACCGAGAGGGCTGGAGTACATTCCTTTGAGACACTACT 1020
QY	1021	ACCACGCCACAGCGCAGCATCTTCTGGAGCTCCAGGACATCATCCCTTTGGCAACA 1080
DB	1021	ACCACGCCACAGCGCAGCATCTTCTGGAGCTCCAGGACATCATCCCTTTGGCAACA 1080
QY	1081	ACCCATCTTCCGCTACCTCTTTGGCTGGATGGTCTCCCAAGATCTCCCTCTCTGAAGC 1140
DB	1081	ACCCATCTTCCGCTACCTCTTTGGCTGGATGGTCTCCCAAGATCTCCCTCTCTGAAGC 1140
QY	1141	TGACCCAGGGTGAGACCTTGGCGAAGCTGTACAGCAGACACACAGTGGTGCAGGACATGC 1200
DB	1141	TGACCCAGGGTGAGACCTTGGCGAAGCTGTACAGCAGACACACAGTGGTGCAGGACATGC 1200
QY	1201	TGGTCCCATGAAGTCCCTGACAGCGCTTCACACCTTCCAAAACGACATCCACGTCT 1260
DB	1201	TGGTCCCATGAAGTCCCTGACAGCGCTTCACACCTTCCAAAACGACATCCACGTCT 1260
QY	1261	ACCCATCTGCTGTGCTCGTTTCTATCTCCAGCGCAGCGCTAGTGACCCCAAG 1320
DB	1261	ACCCATCTGCTGTGCTCGTTTCTATCTCCAGCGCAGCGCTAGTGACCCCAAG 1320
QY	1321	GAAATGAGGCGAGCTCTACATCGACATTTGGGAGCCGCGTGTGAAACACT 1380
DB	1321	GAAATGAGGCGAGCTCTACATCGACATTTGGGAGCCGCGTGTGAAACACT 1380
QY	1381	TTGAAGCCAGGTCTTCATGAGCAGCTGGAAGTTTCTCGCAGCGTGTGCTTCC 1440
DB	1381	TTGAAGCCAGGTCTTCATGAGCAGCTGGAAGTTTCTCGCAGCGTGTGCTTCC 1440
QY	1441	AGATGCTGTATGCGGCTCTACATGAAACCGGAGGAGTTCTGGAGATGTTTGTAGTGGCT 1500
DB	1441	AGATGCTGTATGCGGCTCTACATGAAACCGGAGGAGTTCTGGAGATGTTTGTAGTGGCT 1500
QY	1501	CCTTGTACCAAGCTGCGAGAGAGCTGGGTTCAGAGAGCTTCCCGAGGTGTACG 1560
DB	1501	CCTTGTACCAAGCTGCGAGAGAGCTGGGTTCAGAGAGCTTCCCGAGGTGTACG 1560
QY	1561	ACAAGATCTGCAAGCGCGCAGCAGCTGAGCTGGAGCCCGCTGGAGAGACACACGTG 1620
DB	1561	ACAAGATCTGCAAGCGCGCAGCAGCTGAGCTGGAGCCCGCTGGAGAGACACACGTG 1620
QY	1621	TGAGTGGTCAAGCATCTTCCCTTCACTCAAGCTTGGCTTCTTAGATCCACACTTTC 1680
DB	1621	TGAGTGGTCAAGCATCTTCCCTTCACTCAAGCTTGGCTTCTTAGATCCACACTTTC 1680
QY	1681	AAAGAGAAACCCCTCAGAACTCCCAACCTGACAGAGCCCAACACCACTTCTCTGCTT 1740

Db 1981 CGTTCACGCTCACATCTGCAAGTGAGCCTGAAAGGCTCCACATTAGGTACACCTGTGCAC 2040
Qy 2041 AGCCATGGCTGGGAATGATGAAGGGGATACGCTGGAGTTGCGCTGCCATGCCCTCCATCAG 2100
Db 2041 AGCCATGGCTGGGAATGATGAAGGGGATACGCTGGAGTTGCGCTGCCATGCCCTCCATCAG 2100
Qy 2101 CCAGACGAGGTCTCTCA CAGGAGAGGACAGCTCTTCCCCACCCCTGGGATCTCAGGAGGGC 2160
Db 2101 CCAGACGAGGTCTCTCA CAGGAGAGGACAGCTCTTCCCCACCCCTGGGATCTCAGGAGGGC 2160
Qy 2161 AGCCACGAGTGGGGAGGCCCCAGATGCGCTGTGCGCAAGCCAGAGTCCGAGGGCCAAAGTT 2220
Db 2161 AGCCACGAGTGGGGAGGCCCCAGATGCGCTGTGCGCAAGCCAGAGTCCGAGGGCCAAAGTT 2220
Qy 2221 CTCCCTGCCATCCTTGTGTGGCTCCTGCGCCCTCTCCCTTCATGCTGCGGCTGCGAGGCC 2280
Db 2221 CTCCCTGCCATCCTTGTGTGGCTCCTGCGCCCTCTCCCTTCATGCTGCGGCTGCGAGGCC 2280
Qy 2281 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCCTGTGTTCTCTGGAGAGGCAATCCAG 2340
Db 2281 CACCCAGCCACCACTGAGTCCACTCGGAGTGCCCTGTGTTCTCTGGAGAGGCAATCCAG 2340
Qy 2341 GGTGGAATCTGTGCCAGCTCAGCTCGGACACCTTAGGTGGAAGAGTGGTCTCGGCTC 2400
Db 2341 GGTGGAATCTGTGCCAGCTCAGCTCGGACACCTTAGGTGGAAGAGTGGTCTCGGCTC 2400
Qy 2401 TGAATTTGATTCAGGGGACCTGGGCTCATTTCTTCTTGGCTCACCAACCTCGAGGCTCA 2460
Db 2401 TGAATTTGATTCAGGGGACCTGGGCTCATTTCTTCTTGGCTCACCAACCTCGAGGCTCA 2460
Qy 2461 TCTTTTCCAAAAACCACTTTGTCTGTGGGAGTGGGTCGCGCTGCTCTGCGACAGGGG 2520
Db 2461 TCTTTTCCAAAAACCACTTTGTCTGTGGGAGTGGGTCGCGCTGCTCTGCGACAGGGG 2520
Qy 2521 CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT 2580
Db 2521 CTGGGAGTGGACAGCATCAGGTGGGAAAGTGGAGTCCACCTCATGTTTCTGTAGGATT 2580
Qy 2581 CTCAACGCTGGGCTGGAGAAAGAGCATCGACTTGATTTCTCAACCACTCATCCCTCT 2640
Db 2581 CTCAACGCTGGGCTGGAGAAAGAGCATCGACTTGATTTCTCAACCACTCATCCCTCT 2640
Qy 2641 TTTTCTTTCTTCCACACTCCCACTCCAGCTGTAGTTAAATTTCAAGTGCCTTACAAATCC 2700
Db 2641 TTTTCTTTCTTCCACACTCCCACTCCAGCTGTAGTTAAATTTCAAGTGCCTTACAAATCC 2700
Qy 2701 TAAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGAAACCTCCCTAGGTCCTTCC 2760
Db 2701 TAAAGCTCAGAGAAAGTTCCATTTCCGTTCCAGAGGGAAGGAAACCTCCCTAGGTCCTTCC 2760
Qy 2761 CTGGCTTGTATTAACGCAAGCTTGGTTGTTTATGGAACCTATCTTAAAGACTGCCAG 2820
Db 2761 CTGGCTTGTATTAACGCAAGCTTGGTTGTTTATGGAACCTATCTTAAAGACTGCCAG 2820
Qy 2821 CCTCAGCTGAAACCCCAATCTGAAGGAATTCGCTCATGTAAGGGAAGCTGGAATTA 2880
Db 2821 CCTCAGCTGAAACCCCAATCTGAAGGAATTCGCTCATGTAAGGGAAGCTGGAATTA 2880
Qy 2881 GGGAGCTGAGCCAGTCA TGGTTGTGGCGTGTGAGTCA GAGACCTAGGTTTCAGCCCTC 2940
Db 2881 GGGAGCTGAGCCAGTCA TGGTTGTGGCGTGTGAGTCA GAGACCTAGGTTTCAGCCCTC 2940
Qy 2941 TCTACTGTGACGAGCTGTGCAAGCTGGGCAAGTCA TTGCTCTGAGCTGCGAGTTTCCT 3000
Db 2941 TCTACTGTGACGAGCTGTGCAAGCTGGGCAAGTCA TTGCTCTGAGCTGCGAGTTTCCT 3000
Qy 3001 CATCTGTACATCGCTACAGACAGACTCCCTGGAAACCTCTCTGATTTGCTTAGACACT 3060
Db 3001 CATCTGTACATCGCTACAGACAGACTCCCTGGAAACCTCTCTGATTTGCTTAGACACT 3060
Qy 3061 GTGGTTGCAAAACCCAGGAAAGCCTCATTTGTGTGAAAGTCA GAGGAAAAATGATCCA 3120

Db 3061 GTGGTTGCAAAACCCAGGAAAGCCTCATTTGTGTGGAAGTCA GAGGAAAAATGATCCA 3120
Qy 3121 GTGGACACTTTGGGGAATTA TCTGTCTCAAGATTCCTTCC TTTCAACCCCAAGGCCAGCTCC 3180
Db 3121 GTGGACACTTTGGGGAATTA TCTGTCTCAAGATTCCTTCC TTTCAACCCCAAGGCCAGCTCC 3180
Qy 3181 CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATGTGCTTGTCTATTC 3240
Db 3181 CATCTCATTTCCAGAAAGGCTCATACCTGGCTTGCAGGGAAGCATGTGCTTGTCTATTC 3240
Qy 3241 AGGTGCCAGAACTCTCTCAGAGTCATTAAGGGGTGTTCA CCCCATCCACCCCAAGGCTTGG 3300
Db 3241 AGGTGCCAGAACTCTCTCAGAGTCATTAAGGGGTGTTCA CCCCATCCACCCCAAGGCTTGG 3300
Qy 3301 CACACTGCCAGTGTCTTAGCAGGGCTCTGTGAGGGCTG GGGGCATCCAGGCACTCAGAAG 3360
Db 3301 CACACTGCCAGTGTCTTAGCAGGGCTCTGTGAGGGCTG GGGGCATCCAGGCACTCAGAAG 3360
Qy 3361 GCAAGGAAACCACTTA CCAATTTGGCCTCTGAGGGGGCAG AAGAAAGAAACCTC 3420
Db 3361 GCAAGGAAACCACTTA CCACTTTGGCCTCTGAGGGGGCAG AAGAAAGAAACCTC 3420
Qy 3421 ATCCTATATTTTACAAGAGTGAATTTCTGGCATTAGCTCTCATAGGACCCATGTGC 3480
Db 3421 ATCCTATATTTTACAAGAGTGAATTTCTGGCATTAGCTCTCATAGGACCCATGTGC 3480
Qy 3481 TTCTTTGCTCAGTGCAGAAACTGATGATTTCTACTTGTGTAGATGAATGGTTAAACAGGC 3540
Db 3481 TTCTTTGCTCAGTGCAGAAACTGATGATTTCTACTTGTGTAGATGAATGGTTAAACAGGC 3540
Qy 3541 TAGTTAAACAGTGCCATTTGTTTCCAGTGAAGCCTCCA A CCTTAAGCCA CTGGGACGGT 3600
Db 3541 TAGTTAAACAGTGCCATTTGTTTCCAGTGAAGCCTCCA A CCTTAAGCCA CTGGGACGGT 3600
Qy 3601 GGCACAGATGCCAGCAGCCTCTGTGCGCTTAGTCA TATAACAAATTCACACCTTAT 3660
Db 3601 GGCACAGATGCCAGCAGCCTCTGTGCGCTTAGTCA TATAACAAATTCACACCTTAT 3660
Qy 3661 CCACAAACCCGGGCTTGGAAAGGAAGTATTTTGGAA TACACACCTCCGGTTATGTGCT 3720
Db 3661 CCACAAACCCGGGCTTGGAAAGGAAGTATTTTGGAA TACACACCTCCGGTTATGTGCT 3720
Qy 3721 CCAGTAAAACTTTGCTCGGAAAGAGGACAGTCTTCTT TAGCATGGTGAAGTTCATGGC 3780
Db 3721 CCAGTAAAACTTTGCTCGGAAAGAGGACAGTCTTCTT TAGCATGGTGAAGTTCATGGC 3780
Qy 3781 TTTTTTTGTAGCAGTCTCTCCCTGGCCATCCATGTGA TGGTTTTGGATGGAGTTAAA 3840
Db 3781 TTTTTTTGTAGCAGTCTCTCCCTGGCCATCCATGTGA TGGTTTTGGATGGAGTTAAA 3840
Qy 3841 CTTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAG TAAAGCCTCTCCCTCCAGAGC 3900
Db 3841 CTTGATGCCAGTGGGAGTGCATGTGGAAGTATCAGAG TAAAGCCTCTCCCTCCAGAGC 3900
Qy 3901 CTTGAGTTTCTTGGCTGCGATGAAGGTTTTCTTTAG AATTCAGAAATTTAGCCAGTTCTTT 3960
Db 3901 CTTGAGTTTCTTGGCTGCGATGAAGGTTTTCTTTAG AATTCAGAAATTTAGCCAGTTCTTT 3960
Qy 3961 GGCACAGAGATGAATACCTTGGATATTA CTGAAGGGAGGGGTGGAGATGGGTGTGGCAG 4020
Db 3961 GGCACAGAGATGAATACCTTGGATATTA CTGAAGGGAGGGGTGGAGATGGGTGTGGCAG 4020
Qy 4021 TGTATCGTGTGATTTTTTATTTTTCTTTCTTGGTCA TGGGGCCCAAGGAAAGGCAATGA 4080
Db 4021 TGTATCGTGTGATTTTTTATTTTTCTTTCTTGGTCA TGGGGCCCAAGGAAAGGCAATGA 4080
Qy 4081 ATCTTCCCTGTCAAGGCTTTTACAGCCACAGGCACTGTGTCTACTGTCTGCTGGAACATGTC 4140
Db 4081 ATCTTCCCTGTCAAGGCTTTTACAGCCACAGGCACTGTGTCTACTGTCTGCTGGAACATGTC 4140
Qy 4141 CCGGTGGCTGTGGGGCGCTGCTTCTGTTTAAATAAAA GTGGCCTGG 4187
Db 4141 CCGGTGGCTGTGGGGCGCTGCTTCTGTTTAAATAAAA GTGGCCTGG 4187

; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2112
; LENGTH: 4187
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-2112

Query Match 100.0%; Score 4187; DB 9; Length 4187;

Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 4187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GGGCGCAACCCGAGCGCTTACCGCGCGCGCGCGCACCATGAGCGCGCGCGCTGTCGCTGG	60
DB	1	GGCGCGAACCCGAGCGCTTACCGCGCGCGCGCGCACCATGAGCGCGCGCGCTGTCGCTGG	60
QY	61	CCGTGTGCGCGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGTCA	120
DB	61	CCGTGTGCGCGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGTCA	120
QY	121	TCCACGAGCGCTGGGTGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGCGCTGCGTCA	180
DB	121	TCCACGAGCGCTGGGTGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGCGCTGCGTCA	180
QY	181	TCTACTACTGCTGGCGCTGGGTGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGTCA	240
DB	181	TCTACTACTGCTGGCGCTGGGTGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGTCA	240
QY	241	AGCAGCGCTGGCGGACATCCAGAAAGCAGGTGGGAAATGGAAAGGAGCGGTAGCAAGA	300
DB	241	AGCAGCGCTGGCGGACATCCAGAAAGCAGGTGGGAAATGGAAAGGAGCGGTAGCAAGA	300
QY	301	CCTTCTATGTCAGCGGGCGCTGGGTGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGTCA	360
DB	301	CCTTCTATGTCAGCGGGCGCTGGGTGCTGCTCTTCCGTGTGCGCGCTGCGCGCTGCGTCA	360
QY	361	AGAAGACACAAAAACATCATGATCAACCTGATGGAATTCCTGGAAGTGGACACCAAGA	420
DB	361	AGAAGACACAAAAACATCATGATCAACCTGATGGAATTCCTGGAAGTGGACACCAAGA	420
QY	421	AACAGATTGCTGGTGGAGCGCTTGGTGAACCATGGGCGAGGTGACCTGCGCTGCTGACCT	480
DB	421	AACAGATTGCTGGTGGAGCGCTTGGTGAACCATGGGCGAGGTGACCTGCGCTGCTGACCT	480
QY	481	CCATTGGCTGGAATCTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540
DB	481	CCATTGGCTGGAATCTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540
QY	541	TCAATGGGACAGGACATCGAGTCAATCCACAAAGTACGGCGCTGTTCCAAACATCTGCA	600
DB	541	TCAATGGGACAGGACATCGAGTCAATCCACAAAGTACGGCGCTGTTCCAAACATCTGCA	600
QY	601	CTGCTTACGAGTGGTCTCTGCTGATGCGAGCTTTGCGCATGCACTCCCTCGAAACT	660
DB	601	CTGCTTACGAGTGGTCTCTGCTGATGCGAGCTTTGCGCATGCACTCCCTCGAAACT	660
QY	661	CAGACCTGTTATGCGGTACCTTGGTCTGCTGCGGAGCTGGGTTCCTGGTGGCGCTG	720
DB	661	CAGACCTGTTATGCGGTACCTTGGTCTGCTGCGGAGCTGGGTTCCTGGTGGCGCTG	720
QY	721	AGATCCGCATCATCTCCCTGCCAAGATACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	780
DB	721	AGATCCGCATCATCTCCCTGCCAAGATACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	780
QY	781	TGGAGGCTATCTGTGCGCAAGTTACCAAGTCCAGCGGCGGAGCAACCTTCTGCTGG	840
DB	781	TGGAGGCTATCTGTGCGCAAGTTACCAAGTCCAGCGGCGGAGCAACCTTCTGCTGG	840
QY	841	AAGGCTGCTACTCTCCCTGATGAGCTCTCATTTATGACAGGCGGTATGACAGATGAGG	900
DB	841	AAGGCTGCTACTCTCCCTGATGAGCTCTCATTTATGACAGGCGGTATGACAGATGAGG	900

QY	901	CAGAGCCAGCAAGCTGAATAGCAATTGGCAATTACTCAAGCGGTGGTCTTTTAAGCATG	960
DB	901	CAGAGCCAGCAAGCTGAATAGCAATTGGCAATTACTCAAGCGGTGGTCTTTTAAGCATG	960
QY	961	TGGAGAACTATCTGAAGACAAACCGAGAGGGCTTGAAGTACATTCCTTTGAGACACTACT	1020
DB	961	TGGAGAACTATCTGAAGACAAACCGAGAGGGCTTGAAGTACATTCCTTTGAGACACTACT	1020
QY	1021	ACCACCGCCACACGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1080
DB	1021	ACCACCGCCACACGCGCAGCATCTTCTGGGAGCTCCAGGACATCATCCCCCTTTGGCAACA	1080
QY	1081	ACCCCATCTTCCGCTACCTCTTTGGCTGGATGGTCCCTCCCAAGATCTCCCTCTGAAGC	1140
DB	1081	ACCCCATCTTCCGCTACCTCTTTGGCTGGATGGTCCCTCCCAAGATCTCCCTCTGAAGC	1140
QY	1141	TGACCCAGGCTGAGACCTTCCGCAAGCTGTACGAGCAGCACCACTGGTGGCAGGACATGC	1200
DB	1141	TGACCCAGGCTGAGACCTTCCGCAAGCTGTACGAGCAGCACCACTGGTGGCAGGACATGC	1200
QY	1201	TGGTGCCTATGAAGTGCCTGCGCAGCAGGCTCTGCACACCTTCCAAACAGCATCCACGTCT	1260
DB	1201	TGGTGCCTATGAAGTGCCTGCGCAGCAGGCTCTGCACACCTTCCAAACAGCATCCACGTCT	1260
QY	1261	ACCCCATCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1320
DB	1261	ACCCCATCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1320
QY	1321	GAAATGAGGACAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGCTGTGAAACACT	1380
DB	1321	GAAATGAGGACAGCTCTACATCGACATTTGGAGCATATGGGAGCGCGCTGTGAAACACT	1380
QY	1381	TTGAGCCAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1440
DB	1381	TTGAGCCAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1440
QY	1441	AGATGCTGTATGCGCATCTGCTACATGAACCGGAGAGGTTCTGGGAGATGTTTGTGCTG	1500
DB	1441	AGATGCTGTATGCGCATCTGCTACATGAACCGGAGAGGTTCTGGGAGATGTTTGTGCTG	1500
QY	1501	CCTTGTACCAAGCTGCGAGAGAGCTGGGTGCTGCGAGCAGCGCTTCCCGAGGTGTAGC	1560
DB	1501	CCTTGTACCAAGCTGCGAGAGAGCTGGGTGCTGCGAGCAGCGCTTCCCGAGGTGTAGC	1560
QY	1561	ACAAGATCTGCAAGCGCGCAGGACATGAGCTGAGCGCGCGCTTGGAGAGACAGACAGTG	1620
DB	1561	ACAAGATCTGCAAGCGCGCAGGACATGAGCTGAGCGCGCGCTTGGAGAGACAGACAGTG	1620
QY	1621	TGAGTGGTCAAGGATCTTCCCTTCACTCAAGCTTGGCTGCTTCTTAGATCCACATTTTC	1680
DB	1621	TGAGTGGTCAAGGATCTTCCCTTCACTCAAGCTTGGCTGCTTCTTAGATCCACATTTTC	1680
QY	1681	AAAGAGAAACCCCTCCAGAACTCCACCTGACAGCGCAACCACTTCCCTCCCTGGCTT	1740
DB	1681	AAAGAGAAACCCCTCCAGAACTCCACCTGACAGCGCAACCACTTCCCTCCCTGGCTT	1740
QY	1741	CAGAGGGGAGCGCCAGTGGAAATGGAAAGATTTGGAGTTGGAGTCAAGAGCTTGAAGT	1800
DB	1741	CAGAGGGGAGCGCCAGTGGAAATGGAAAGATTTGGAGTTGGAGTCAAGAGCTTGAAGT	1800
QY	1801	CCAGTTCCCGTTTGAACCTATAGCTGTGATCTCTGGGTGAGTCCCTTAAACCCCTCT	1860
DB	1801	CCAGTTCCCGTTTGAACCTATAGCTGTGATCTCTGGGTGAGTCCCTTAAACCCCTCT	1860
QY	1861	GAGCCGGGTCTTCTTATAGTTGAAGGATAGTAATACCTACTTGGAGGTGTTGTCA	1920
DB	1861	GAGCCGGGTCTTCTTATAGTTGAAGGATAGTAATACCTACTTGGAGGTGTTGTCA	1920
QY	1921	TCTGAGTTGAGCACTGCTGTCACATTTGAAGGTGCTGGGTAAAGTGTAGTCTTTTGTGCTT	1980
DB	1921	TCTGAGTTGAGCACTGCTGTCACATTTGAAGGTGCTGGGTAAAGTGTAGTCTTTTGTGCTT	1980
QY	1981	CGTTACAGCTCACTCTGAGTGGAGCGCTGAAAGGCTCCACATTAAGTCACTGCTGTCAC	2040

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 17, 2005, 17:23:27 ; Search time 2459.46 Seconds
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Perfect score: 4187
Sequence: 1 ggcgcaaccgcgagcgtt.....tttaataaaagggcctgg 4187

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 14632570

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4187	100.0	4187	9	US-09-954-456-2112 Sequence 2112, Ap
2	4187	100.0	4187	9	US-09-880-107-1609 Sequence 1609, Ap
3	4187	100.0	4187	10	US-09-960-706-477 Sequence 477, App
4	4187	100.0	4187	10	US-09-873-319-290 Sequence 290, App
5	4187	100.0	4187	17	US-10-172-118-355 Sequence 355, App
6	4187	100.0	4187	18	US-10-240-425-1203 Sequence 1203, Ap
7	4187	100.0	4187	18	US-10-342-887-355 Sequence 355, App

ALIGNMENTS

RESULT 1

US-09-954-456-2112
; Sequence 2112, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Can
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863

Sequence 5139, Ap
Sequence 53, Appl
Sequence 1950, Ap
Sequence 32, Appl
Sequence 1, Appl
Sequence 1259, Ap
Sequence 121, Appl
Sequence 212, App
Sequence 1258, Ap
Sequence 387, App
Sequence 80, Appl
Sequence 99214, A
Sequence 99214, A
Sequence 1, Appl
Sequence 7185, Ap
Sequence 1256, Ap
Sequence 72, Appl
Sequence 71, Appl
Sequence 47711, A
Sequence 917, App
Sequence 41864, A
Sequence 41864, A
Sequence 34917, A
Sequence 33221, A
Sequence 34919, A
Sequence 815, App
Sequence 179, App
Sequence 133, App
Sequence 4489, Ap
Sequence 1255, Ap
Sequence 5, Appl
Sequence 15414, A
Sequence 19, Appl
Sequence 333, App
Sequence 16738, A
Sequence 620, App
Sequence 18582, A

ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-894-273-1

Query Match 1.3%; Score 54.6; DB 4; Length 3489;
Best Local Similarity 56.4%; Pred. No. 0.00058;
Matches 102; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 72 CTGCTCTTCTGCTGGGCTGAGGGGCTGGAGTTCGTCATCCACGAGCGC 131
DB 2703 CTGCTCTTCTGCTCTTCCACCTCTTAACCTCTTCTGCTCTTCCACCTCTC 2644
QY 132 TGGGTGTTGCTGCTCTTCTGCTGCGCTCTCGCTTATCTTGGATATCTACTACTAC 191
DB 2643 TAACTCCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTAATTC 2584
QY 192 GTGCGGCTGCTGGGCTGTTCAAGCTCAGAGGCTCCGCGCTGCACGAGAGCGCGTG 251
DB 2583 CTGCTCTTCTGCTCTGCTCTTGGCTCTTCCACCTCTCTGCTCTTCCACCTCTCG 2524
QY 252 C 252
DB 2523 C 2523

RESULT 12
US-08-770-379-20
Sequence 20, Application US/08770379
Patent No. 5849564
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED
TITLE OF INVENTION: HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,379
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52342
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 32207 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-770-379-20

Query Match 1.3%; Score 54.6; DB 2; Length 32207;
Best Local Similarity 56.4%; Pred. No. 0.0022;
Matches 102; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 72 CTGCTCTTCTGCTGGGCTGAGGGGCTGGAGTTCGTCATCCACGAGCGC 131
DB 19294 CTGCTCTTCTGCTCTTCCACCTCTTAACCTCTTCTGCTCTTCCACCTCTC 19353
QY 132 TGGGTGTTGCTGCTCTTCTGCTGCGCTCTCGCTTATCTTGGATATCTACTACTAC 191
DB 19354 TAACTCCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTAATTC 19413
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QY 252 C 252
DB 19474 C 19474

RESULT 13
US-08-757-669A-20
Sequence 20, Application US/08757669A
Patent No. 6183751
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS
TITLE OF INVENTION: SEQUENCES AND USES THEREOF
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,669A
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 45185-F
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 32207 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-757-669A-20

Query Match 1.3%; Score 54.6; DB 3; Length 32207;
Best Local Similarity 56.4%; Pred. No. 0.0022;
Matches 102; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 72 CTGCTCTTCTGCTGGGCTGAGGGGCTGGAGTTCGTCATCCACGAGCGC 131
DB 19294 CTGCTCTTCTGCTCTTCCACCTCTCTTAACCTCTTCTGCTCTTCCACCTCTC 19353
QY 132 TGGGTGTTGCTGCTCTTCTGCTGCGCTCTCGCTTATCTTGGATATCTACTACTAC 191
DB 19354 TAACTCCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTGCTCTCTAATTC 19413


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CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 0575/52268/JPM/MSK/SKS
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3489 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..3489
US-08-728-323A-1

Query Match 1.3%; Score 54.6; DB 2; Length 3489;
Best Local Similarity 56.4%; Pred. No. 0.00058;
Matches 102; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 72 CTGCTCTTCTGCTGGGTGGCGCTCAAGGGGCTGGAGTTCGTCTCATCCACGAGCGC 131
DB 2703 CTGCTCTTCTGCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2644
QY 132 TGGGTGTGCTGCTCTTCTCTCCGCTCTCGTCTTATCTTCGATATCTACTACTAC 191
DB 2643 TAACTCTCTGCTCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2584
QY 192 GTGCGCGCTGGGTGGTGTTCAGGCTCAGCAGCGCTCCGCGCTGCAGCAGCGCGTG 251
DB 2583 CTGCTCTTCTGCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2524
QY 252 C 252
DB 2523 C 2523

RESULT 9
US-09-298-568-1/c
Sequence 1, Application US/09298568
Patent No. 632792
GENERAL INFORMATION:
APPLICANT: Kieff, Elliott D.
APPLICANT: Ballestas, Mary E.
TITLE OF INVENTION: RHADINO VIRUS LANA ACTS IN TRANS ON A UNIT OF RHADINO
FILE REFERENCE: 16412-10001R
CURRENT APPLICATION NUMBER: US/09/298,568
CURRENT FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,422
EARLIER FILING DATE: 1998-11-19
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 3489
TYPE: DNA
ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-298-568-1

Query Match 1.3%; Score 54.6; DB 3; Length 3489;
Best Local Similarity 56.4%; Pred. No. 0.00058;
Matches 102; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 72 CTGCTCTTCTGCTGGGTGGCGCTCAAGGGGCTGGAGTTCGTCTCATCCACGAGCGC 131
DB 2703 CTGCTCTTCTGCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2644
QY 132 TGGGTGTGCTGCTCTTCTCTCCGCTCTCGTCTTATCTTCGATATCTACTACTAC 191
DB 2643 TAACTCTCTGCTCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2584
QY 192 GTGCGCGCTGGGTGGTGTTCAGGCTCAGCAGCGCTCCGCGCTGCAGCAGCGCGTG 251
DB 2583 CTGCTCTTCTGCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2524
QY 252 C 252
DB 2523 C 2523

RESULT 10
US-09-410-399-1/c
Sequence 1, Application US/09410399
Patent No. 6482587
GENERAL INFORMATION:
APPLICANT: Robertson, Erle S.
APPLICANT: Cotter, Murray A.
TITLE OF INVENTION: Methods to Inhibit or Enhance the Binding of Viral DNA
FILE REFERENCE: UM-03778
CURRENT APPLICATION NUMBER: US/09/410,399
CURRENT FILING DATE: 1999-10-01
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 3489
TYPE: DNA
ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-410-399-1

Query Match 1.3%; Score 54.6; DB 4; Length 3489;
Best Local Similarity 56.4%; Pred. No. 0.00058;
Matches 102; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 72 CTGCTCTTCTGCTGGGTGGCGCTCAAGGGGCTGGAGTTCGTCTCATCCACGAGCGC 131
DB 2703 CTGCTCTTCTGCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2644
QY 132 TGGGTGTGCTGCTCTTCTCTCCGCTCTCGTCTTATCTTCGATATCTACTACTAC 191
DB 2643 TAACTCTCTGCTCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2584
QY 192 GTGCGCGCTGGGTGGTGTTCAGGCTCAGCAGCGCTCCGCGCTGCAGCAGCGCGTG 251
DB 2583 CTGCTCTTCTGCTTCCACCTCTTAACCTCTGCTCTTCTCTTCCACCTCTC 2524
QY 252 C 252
DB 2523 C 2523

RESULT 11
US-09-894-273-1/c
Sequence 1, Application US/09894273
Patent No. 6756203
GENERAL INFORMATION:
APPLICANT: Kieff, Elliott D.
APPLICANT: Ballestas, Mary E.
APPLICANT: Kaye, Kenneth M.
TITLE OF INVENTION: RHADINO VIRUS LANA ACTS IN TRANS ON A UNIT OF RHADINO
FILE REFERENCE: 16412-10001R
CURRENT APPLICATION NUMBER: US/09/894,273
CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: US 60/109,422
PRIOR FILING DATE: 1998-11-19
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 3489
TYPE: DNA
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; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16295
; LENGTH: 140982
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-16295

Query Match      1.3%; Score 55.8; DB 4; Length 140982;
Best Local Similarity 61.3%; Pred. No. 0.0025;
Matches 90; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1766 AAGAATGTGGATTGGAGTCAGACAAAGCTGAGTCAGTCCCGGTTTGAAGACTCATTA 1825
Db 81151 AAAAAACATAGGATGTAGAGTCAGAGCCCTGGATTCTAGTTTGGGTCTTCCAGGCATTA 81092

QY 1826 GCTGTGTGACTCTGGGTGAGTCCTTAACCCCTCTGAGCCCGGTCTCTTCATTAGTTGA 1885
Db 81091 GCTGAGTTATGTTAGGAAGTCTCTTAAGCTATTGGAGATCCAGTCTCTTCATCCGTAAA 81032

QY 1886 AAGGGATAGTAATACCTACTTGCAGGT 1912
Db 81031 TATACAAAATAAAGGCCTTCCAGGT 81005

RESULT 6
US-09-949-016-162721/c
; Sequence 162721, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162721
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-162721

Query Match      1.3%; Score 55.2; DB 4; Length 23193;
Best Local Similarity 63.6%; Pred. No. 0.0012;
Matches 84; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 1759 GAATGGAAGAATGTGGGATTTTGGAGTCAGACAAAGCTGAGTCAGTCCCGGTTTGA 1818
Db 14460 GAAGGGGCGAGCATAGAGGCTCAGGAACCTGCACAAAGCTGAGTCAGTCCCGGTTTGA 14401

QY 1819 CTCAATTAGTGTGTGACTCTGGGTGAGTCCCTTAACCCCTCTGAGCCCGGTCTCTTTCAT 1878
Db 14400 TTATTTAGTGTGGTGACCTTGACCAAGTCACTTCACTCTCTGAGCTCCAATTTCTCAT 14341

QY 1879 TAGTTGAAAGGG 1890
Db 14340 TGGTAAATGGG 14329

RESULT 8
US-08-728-323A-1/c
; Sequence 1, Application US/08728323A
; Patent No. 5948676
; GENERAL INFORMATION:
; APPLICANT: Chang, Yuan
; APPLICANT: Bohenzky, Roy A.
; APPLICANT: Russo, James J.
; APPLICANT: Edelman, Isidore S.
; APPLICANT: Moore, Patrick S.
; TITLE OF INVENTION: Immediate Early Protein From Kaposi's
; TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA
; TITLE OF INVENTION: Encoding Same And Uses Thereof
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/728,323A
; FILING DATE:
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; Sequence 2284, Application US/09513999C

; Patent No. 6783961

; GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, J.B.

; APPLICANT: Duclert, A.

; APPLICANT: Giordano, J.Y.

; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

; Patent No. 6783961

; FILE REFERENCE: 59.US2.REG

; CURRENT APPLICATION NUMBER: US/09/513,999C

; CURRENT FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/122,487

; PRIOR FILING DATE: 1999-02-26

; NUMBER OF SEQ ID NOS: 36681

; SOFTWARE: Patent.pm

; SEQ ID NO 2284

; LENGTH: 424

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 178..423

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: 126

; OTHER INFORMATION: k=g or t

; NAME/KEY: misc_feature

; LOCATION: 381

; OTHER INFORMATION: n=a, g, c or t

; US-09-513-999C-2284

Query Match

Best Local Similarity 3.7%; Score 156; DB 4; Length 424;

Matches 167; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 4018 CAGTGTATGCTGTGATTTTATTTCTTTTGGTCAATGGGGCCAGGAGGCA 4077

Db 424 CAGTGTATGCTGTGATTTTATTTCTTTTGGTCAATGGGGCCAGGAGGCA 366

QY 4078 TGAATCTTCCTGTAGGCTTTACAGCCACAGGCACTGTCTACTGTCTGAAGACAT 4137

Db 365 TGAATCTTCCTGTAGGCTTTACAGCCACAGGCACTGTCTACTGTCTGAAGACAT 306

QY 4138 GTCCCCGTGCTGTGGGGCGCTCTCTGTTTAAATAAAGTGGCTG 4186

Db 305 GTCCCCGTGCTGTGGGGCGCTCTCTGTTTAAATAAAGTGGCTG 257

RESULT 3

US-09-949-016-162720/c

; Sequence 162720, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: Fast-SEQ for Windows Version 4.0

; SEQ ID NO 162720

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

; US-09-949-016-162720

Query Match

Best Local Similarity 1.3%; Score 55.8; DB 4; Length 601;

Matches 90; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1766 AAGAATGTGGATTTGGAGTCAGACAGCCTGAGTCCAGTTCCTCCCTTTAGAACTCATTA 1825

Db 503 AAAAAATAGATGTAGAGTCAGAGCCCTGGAATCTAGTTTGGGTCTTCCAGGCATTA 444

QY 1826 GCTGTGTGACTCTGGGTGAGTCCCTTAACCCCTCTGAGCCCGGTCTCTTCAATTAGTTGA 1885

Db 443 GCTGAGTTATGTTAGGGAAGTCTCTTAAGCTATTGAGATCCAGTCTCTTCATCCGTAAA 384

QY 1886 AAGGGATAGTAATACCTACTTTCAGGT 1912

Db 383 TATACAAATAATAAGGCCTTCCAGGT 357

RESULT 4

US-09-949-016-11777/c

; Sequence 11777, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: Fast-SEQ for Windows Version 4.0

; SEQ ID NO 11777

; LENGTH: 140925

; TYPE: DNA

; ORGANISM: Human

; US-09-949-016-11777

Query Match

Best Local Similarity 1.3%; Score 55.8; DB 4; Length 140925;

Matches 90; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1766 AAGAATGTGGATTTGGAGTCAGACAGCCTGAGTCCAGTTCCTCCCTTTAGAACTCATTA 1825

Db 81151 AAAAAATAGATGTAGAGTCAGAGCCCTGGAATCTAGTTTGGGTCTTCCAGGCATTA 81092

QY 1826 GCTGTGTGACTCTGGGTGAGTCCCTTAACCCCTCTGAGCCCGGTCTCTTCAATTAGTTGA 1885

Db 81091 GCTGAGTTATGTTAGGGAAGTCTCTTAAGCTATTGAGATCCAGTCTCTTCATCCGTAAA 81032

QY 1886 AAGGGATAGTAATACCTACTTTCAGGT 1912

Db 81031 TATACAAATAATAAGGCCTTCCAGGT 81005

RESULT 5

US-09-949-016-16295/c

; Sequence 16295, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

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OM nucleic - nucleic search, using sw model

Run on: August 17, 2005, 13:10:42 ; Search time 631.158 Seconds
(without alignments)
10854.792 Million cell updates/sec

Title: US-09-996-630A-10

Perfect score: 4187

Sequence: 1 ggcgcgaacccgcagcgtt.....tttaataaaagtgccctgg 4187

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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- 2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	206.4	4.9	275	4	US-09-313-294A-6606
2	156	3.7	424	4	US-09-513-999C-2284
3	55.8	1.3	601	4	US-09-949-016-162720
4	55.8	1.3	140925	4	US-09-949-016-117770
5	55.8	1.3	140982	4	US-09-949-016-16295
6	55.4	1.3	601	4	US-09-949-016-162721
7	55.2	1.3	23193	4	US-09-949-016-17215
8	54.6	1.3	3489	2	US-08-728-323A-1
9	54.6	1.3	3489	3	US-09-298-568-1
10	54.6	1.3	3489	4	US-09-410-399-1
11	54.6	1.3	3489	4	US-09-894-273-1
12	54.6	1.3	32207	2	US-08-770-379-20
13	54.6	1.3	32207	3	US-08-757-669A-20
14	54.6	1.3	32207	3	US-09-230-371A-20
15	54.2	1.3	262	4	US-09-573-080A-99
16	54.2	1.3	92681	4	US-09-949-016-14772
17	53.8	1.3	29321	4	US-09-949-016-14257
18	53.8	1.3	29321	4	US-09-949-016-14258
19	53.8	1.3	55298	4	US-09-491-356C-1
20	53.6	1.3	66227	4	US-09-949-016-12038
21	53.6	1.3	66227	4	US-09-949-016-15303
22	52.8	1.3	256287	4	US-09-949-016-14608
23	52	1.2	601	4	US-09-949-016-67372
24	52	1.2	601	4	US-09-949-016-67442
25	52	1.2	601	4	US-09-949-016-67512
26	52	1.2	49931	4	US-09-949-016-13727
27	52	1.2	49931	4	US-09-949-016-13728

c	28	52	1.2	49931	4	US-09-949-016-13729	Sequence 13729, A
	29	51.6	1.2	96690	4	US-09-949-016-17103	Sequence 17103, A
	30	51.4	1.2	65300	4	US-09-949-016-16813	Sequence 16813, A
	31	51	1.2	4403765	3	US-09-103-840A-2	Sequence 2, Appli
	32	51	1.2	4411529	3	US-09-103-840A-1	Sequence 1, Appli
	33	50.8	1.2	92155	4	US-09-949-016-17484	Sequence 17484, A
	34	50.8	1.2	183112	4	US-09-949-016-14184	Sequence 14184, A
	35	50.6	1.2	2484	4	US-09-902-540-4038	Sequence 4038, Ap
	36	50.6	1.2	24986	4	US-09-902-540-1200	Sequence 1200, Ap
	37	50.4	1.2	30000	4	US-10-007-010-10	Sequence 10, Appl
	38	50.4	1.2	53562	4	US-09-949-016-16286	Sequence 16286, A
	39	50.4	1.2	144596	4	US-09-949-016-11749	Sequence 11749, A
	40	50.4	1.2	144596	4	US-09-949-016-13035	Sequence 13035, A
	41	50.2	1.2	64309	4	US-09-949-016-14581	Sequence 14581, A
	42	50	1.2	44477	4	US-09-949-016-16767	Sequence 16767, A
	43	50	1.2	110266	4	US-09-949-016-14913	Sequence 14913, A
	44	50	1.2	110266	4	US-09-949-016-14914	Sequence 14914, A
	45	50	1.2	110266	4	US-09-949-016-14915	Sequence 14915, A

ALIGNMENTS

RESULT 1
US-09-313-294A-6606
; Sequence 6606, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 6606
; LENGTH: 275
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700352091H1
US-09-313-294A-6606

Query Match		4.9%;	Score 206.4;	DB 4;	Length 275;
Best Local Similarity		86.6%;	Pred. No. 3.1e-46;		
Matches		239;	Conservative	0;	Mismatches 36; Indels 1; Gaps 1;
QY	1209	ATGAAGTGGCTGCAGCAGCCCTGCACACCTTCCAAAACGACATCCACGGTCTACCCCATC	1268		
Db	1	ATGAATGGCTGTCTCAGGCCCTGCATACCTTCCAAAATGACATCCACGGTCTACCCCATC	60		
QY	1269	TGGCTGTGTCGCTTCACTCTGCCAGCCAGCGCTAGTGCACCCCAAGGAATGAG	1328		
Db	61	TGGCTGTGTCGCTTCACTCTGCCAGCCAGCGCTAGTGCATCCCAAGGAGATGAG	120		
QY	1329	CGAGAGCTTACATCAGCATTTGGAGCATATGGGAGCCGGGTGTAACACACTTTGAAGCC	1388		
Db	121	GCTGAATCTACGTGACATCGGGGCATATGGGAGCCAGCGGTGAAGCACTTCGAGGCC	180		
QY	1389	AGGTCTCTGATGAGGAGCTGGAGAGTTTGTCCGAGCGGTGCATGGCTTCCAGATGCTG	1448		
Db	181	AGGTCTCTGATGAGGAGCTGGAGAGTTTGTCCGAGCGGTGCATGGCTTCCAGATGCTG	239		
QY	1449	TATGCCGATGCTGTACATGAACCGGAGGAGTTCTGG	1484		
Db	240	TACGCCGATGCTGTATGATGAACCGGAGGAGTTCTGGG	275		

RESULT 2

US-09-513-999C-2284/c